

20020318.qrp v02_n498.qrl.20020318

Date: Mon, 18 Mar 2002 19:03:05 EST
From: qrp-1@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: QRP-L digest 2498

QRP-L Digest 2498

Topics covered in this issue include:

- 1) [122376] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>
- 2) [122377] Re: qrp antenna tuners
by "James R. Duffey" <jamesd1@flash.net>
- 3) [122378] Re: QRP+ Mic...replace the cartridge is easy.
by ve3ab@mail.mondenet.com
- 4) [122379] speaking of mics...i would like a good impedance match 2K to 50K
by ve3ab@mail.mondenet.com
- 5) [122380] Re: [NJQRP] FW: We will never Forget!!
by "Kevin F. Glynn" <kfglynn@mindspring.com>
- 6) [122381] Re: WTB "D" size Nicads
by "Mike Yetsko" <myetsko@insydesw.com>
- 7) [122382] WTB: butterfly capacitor
by <mgoins@usa.net>
- 8) [122383] Re: Pesky - KD5KXF Log
by "Mike Malone" <mmalone@worldlogon.com>
- 9) [122384] Re: [fpqrp] Cub Fox Log for 3-12
by "Mike Malone" <mmalone@worldlogon.com>
- 10) [122385] Re: Pesky - KD5KXF Log
by "Mike Malone" <mmalone@worldlogon.com>
- 11) [122386] XR0X
by "Pat J. Whelton" <pwhelton@hal-pc.org>
- 12) [122387] Re: Head copy
by "Richard Brummer, K2JQ" <k2jq@rcn.com>
- 13) [122388] Re: XR0X
by Paul Womble <pwomble1@tampabay.rr.com>
- 14) [122389] Re: Head Copy
by "V Cortina" <vcortina@hvc.rr.com>
- 15) [122390] Re: qrp antenna tuners
by "Rod N0RC" <rod@n0rc.com>
- 16) [122391] FW: We will never Forget!!
by "Rod N0RC" <rod@n0rc.com>
- 17) [122392] Re: XR0X
by "Rod N0RC" <rod@n0rc.com>
- 18) [122393] Tiny Tornado: Eye of the Storm!
by "K7FD N7SG" <k7fd@hotmail.com>
- 19) [122394] Good CW Procedure Article on ARRLWeb

- by zeekzilch@juno.com
- 20) [122395] Mic Switch?
by "Mike Duke, K5XU" <k5xu@netdoor.com>
- 21) [122396] Palm PDA to FT-817 Connection - How To?
by "Michael A. Newell, WB4HUC" <mnewell1@austin.rr.com>
- 22) [122397] [OT] CW CDs and MP3 [long]
by Chuck Adams <k7qo@earthlink.net>
- 23) [122398] Re: Head copy
by Robert Distaffen <robkf2ys@yahoo.com>
- 24) [122399] Backpacking Antenna Launching
by "Bruce Prior" <n7rr@hotmail.com>
- 25) [122400] Re: Antenna question... trap dipoles
by "Adrian Weiss" <aweiss@usd.edu>
- 26) [122401] Shortened Dipole Concept -- SPRAT Autumn 1990
by "Adrian Weiss" <aweiss@usd.edu>
- 27) [122402] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>
- 28) [122403] Re: Head copy
by Bruce Muscolino <w6toy@erols.com>
- 29) [122404] RE: WTB: butterfly capacitor
by "Matt Lee, WB6BWZ" <Matt@Tenn-Valley.com>
- 30) [122405] Re: XROX
by "Damon Raphael" <w7md@dakotacom.net>
- 31) [122406] Re: [fpqrp] Cub Fox Log for 3-12
by "Karl F. Larsen" <k5di@zianet.com>
- 32) [122407] Re: Head Copy
by "V Cortina" <vcortina@hvc.rr.com>
- 33) [122408] Re: Head Copy
by "W2WU" <w2wurjj@verizon.net>
- 34) [122409] FW: We will never Forget!!
by "Rod N0RC" <rod@n0rc.com>
- 35) [122410] Fwd: The Morning Muse (It's a joke, live with it)
by Wayne Scace <WM-Scace@wiu.edu>
- 36) [122411] RE: Care & Feeding of 300 Ohm Twin Lead
by Nick Kennedy <nkennedy@tcainternet.com>
- 37) [122412] Trade for QRP items
by "Ronald Davis" <RDavis24@carolina.rr.com>
- 38) [122413] Re: Backpacking Antenna Launching
by "Bruzenak George" <bruzer1@mindspring.com>
- 39) [122414] Re: Head Copy
by "V Cortina" <vcortina@hvc.rr.com>
- 40) [122415] Re: Head Copy
by Bruce Muscolino <w6toy@erols.com>
- 41) [122416] Re: Head Copy
by Bruce Muscolino <w6toy@erols.com>
- 42) [122417] Re: Class E amplifier experiments
by Shawn Upton <kb1ckt@yahoo.com>
- 43) [122418] Re: Head Copy

by Shawn Upton <kb1ckt@yahoo.com>
44) [122419] Re: Head Copy
by "V Cortina" <vcortina@hvc.rr.com>
45) [122420] Re: qrp antenna tuners
by WE7X@aol.com
46) [122421] Re: Head Copy
by Bruce Muscolino <w6toy@erols.com>
47) [122422] Re: Head Copy
by Hank Kohl K8DD <k8dd@arrl.net>
48) [122423] Series/Parallel Crystals for Filter
by David Beach <dbeach@blvl.igs.net>
49) [122424] Re: Head Copy
by Hank Kohl K8DD <k8dd@arrl.net>
50) [122425] Cub Fox: CFNO will happen tomorrow.
by "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
51) [122426] Badger SmartBadge Operation Notes
by "George Heron N2APB" <n2apb@erols.com>
52) [122427] Re: Series/Parallel Crystals for Filter
by "Dave Fifield" <dave@redhotradio.com>
53) [122428] [OT] CW CDs --- We have a winner
by Chuck Adams <k7qo@earthlink.net>
54) [122429] Re: Head Copy
by "Bob Tellefsen" <n6wg@earthlink.net>
55) [122430] Re: Head copy
by Alan <aadelma@yahoo.com>
56) [122431] FOX: Cub Fox Last Hunt
by "Karl F. Larsen" <k5di@zianet.com>
57) [122432] Re: [OT] CW CDs --- We have a winner
by "Karl F. Larsen" <k5di@zianet.com>
58) [122433] Re: Head Copy (long)
by brickle <brickle@pobox.com>
59) [122434] Re: Head Copy
by Jim Campbell <jim-c@nc.rr.com>
60) [122435] Re: Head Copy
by W2AGN <w2agn@pobox.com>
61) [122436] Re: Head Copy
by Jim Campbell <jim-c@nc.rr.com>
62) [122437] Re: Head Copy
by "V Cortina" <vcortina@hvc.rr.com>
63) [122438] Torroidal Cores, Need help identifying
by "Patrick Cummins" <pcummins@misnet.com>
64) [122439] Re: Torroidal Cores, Need help identifying
by "Lee Mairs" <lmairs@cox.rr.com>
65) [122440] Dang! You are GOOD! (Xtals for filters)
by KKANALZ@prodigy.net
66) [122441] RE: Torroidal Cores, Need help identifying
by "Tracy Markham" <tracy@bytemark.com>
67) [122442] Dumping Toroids?

by KKANALZ@prodigy.net
68) [122443] Re: Torroidal Cores, Need help identifying
by David Hinerman <WD8CIV@worldnet.att.net>
69) [122444] 2BDQ trap dipole
by W2AGN <w2agn@pobox.com>
70) [122445] One-Masted Sloop
by kc0bom@arrl.net
71) [122446] Re: One-Masted Sloop
by "Brian" <brian@iquiest.net>
72) [122447] Re: Head Copy
by eurascom pages <mel@euramcom.freemove.co.uk>
73) [122448] Re: Head Copy
by Bruce Muscolino <w6toy@erols.com>
74) [122449] Re: Head Copy
by Bruce Muscolino <w6toy@erols.com>
75) [122450] HEAD COPY and the 00 SHRINK
by hamjoel@juno.com
76) [122451] Re: HEAD COPY and the 00 SHRINK
by W2AGN <w2agn@pobox.com>
77) [122452] Fw: Re: Head Copy
by Robert G Seymour <bobsey1@juno.com>
78) [122453] Signal Generator model 817
by "Karl F. Larsen" <k5di@zianet.com>
79) [122454] Re: One-Masted Sloop
by Paul Womble <pwomble1@tampabay.rr.com>
80) [122455] Ten Tec 515?
by <n2go@arrl.net>
81) [122456] Re: One-Masted Sloop
by "Rob Matherly" <kc0bom@arrl.net>
82) [122457] SMK-1 transmit problems
by "Frank King" <fkking@wcn.net>
83) [122458] Re: HEAD COPY and the 00 SHRINK
by Pete Burbank <plburbank@kih.net>
84) [122459] A downsized April Fool
by "Bruce Prior" <n7rr@hotmail.com>
85) [122460] Re: Head Copy
by "J. W. (Dub) Thornton" <dub@oklahoma.net>
86) [122461] NJQRP Sprint
by "Rod N0RC" <rod@n0rc.com>
87) [122462] AA4XX/B QRSS beacon QRV on 10,140.130 khz
by Paul Stroud <aa4xx@ipass.net>
88) [122463] Fox Tonight?
by "Dave" <wr3i@earthlink.net>
89) [122464] Re: Fox Tonight?
by "Dave" <wr3i@earthlink.net>

Date: Sun, 17 Mar 2002 19:06:23 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w2agn@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122376] Re: Head copy
Message-ID: <3C952F7F.3852737@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And how much information do your simple words contain? Words like and, the, and to and from?

By an almost degree in Behavioral Sciences I mean I finished everything except writing the thesis! It was a Master's degree. It involved three years of hard study!

73

>
> I never said anything other than that some simple words were recognizable by
> sound. You seem to take any opportunity to go ballistic. Now you are quoting
> your "almost" degrees? Bruce, turn off the computer and take your pills!

>
> -----
> John L Sielke W2AGN
> w2agn@pobox.com
> <http://mywebpages.comcast.net/w2agn>
> Trustee: W3IYQ

Date: Sun, 17 Mar 2002 17:21:10 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <Schunn99@aol.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [122377] Re: qrp antenna tuners
Message-ID: <B8BA8106.130DA%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Try the Emtech ZM-2. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 17 Mar 2002 19:34:01 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Subject: [122378] Re: QRP+ Mic...replace the cartridge is easy.
Message-ID: <200203180041.g2I0fx828209@genesis.dmz.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

I have a QRP+ and I rebuilt the mic ..just go to Radio Shack and purchase a mic element..It is quite compatible. Electret mic cartridge. The QRP+ supplies the voltage for the element..8v i think. Im going to rebuild/build a small desk mic for the QRP+ (eventually)..a nice one would be the Ten Tec Desk Mic the one with the slim gooseneck and the small foam mouthpiece..It would fit nicely with a small rig..ie Ten Tec Argonaut or index labs. 73 Earl VE3ab

Date: Sun, 17 Mar 2002 19:41:07 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Subject: [122379] speaking of mics..i would like a good impedance match 2K to 50K
Message-ID: <200203180049.g2I0n4828724@genesis.dmz.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Speaking of microphones..when i do get around to building this mic project..ill use an electret mic/mic element..impedance about 2 kilohms and it would suit the QRP+ ..but to use this same mic with the argonaut..i would have to up the impedance to 50 Kilohms. Would a simple audio transformer do the trick..i have one in my junkbox..or would there be a good circuit that someone knows of ..to give variouis output impedances ranging from 600 ohms to 50 K.. that has good audio charachteristicis..I know about the ones in the handbook..i wonder if there are any comparable or better ones..73 Earl VE3AB

Date: Sun, 17 Mar 2002 20:50:46 -0500
From: "Kevin F. Glynn" <kfglynn@mindspring.com>
To: <njqrp@njqrp.org>, ". QRP-L" <qrp-l@lehigh.edu>
Subject: [122380] Re: [NJQRP] FW: We will never Forget!!
Message-ID: <000601c1ce1f\$533b7c80\$13e5fea9@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks for posting this Ron. I know it has nothing to do with QRP, ham radio, building or anything like that but is a whole lot more important.

I was there on the ground that morning a block from the Twin Towers right after the first plane and before the second. The second plane flew right over my head and I watched in horror as it flew into the south tower. I felt the first tower collapse and shake the city as I was trying to escape and watched the second collapse from Jersey City just over the water. I was one of the lucky ones to escape from the city. I am still trying to deal with the horror of that day. I lost friends and know of many more who died that morning.

There is an excellent book titled Twin Towers Remembered by Camilo Jose Vergara. It is a photo essay by a photographer who loved the Towers and took pictures of them since they were being constructed. I grew up with the Twin Towers and it still feels like someone's ripping the heart right out of me when I think of what happened that day here. The poor people in the planes and the Pentagon, too. I can't imagine. I hope the country doesn't forget.

CUL

72 Kevin N2TO
Brooklyn, NYC
kfglynn@mindspring.com

Date: Sun, 17 Mar 2002 20:55:54 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <W0rW@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122381] Re: WTB "D" size Nicads
Message-ID: <004a01c1ce20\$0c6670c0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Radio Shack carries the "D" size NiCads in both the standard variety (1.2ah) and the 'HiCapacity' variety (about 4.5ah). You might also want to check Mr NiCad. I don't think RS has these in soldertab.

Mike

----- Original Message -----

From: <W0rw@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, March 17, 2002 6:14 PM

Subject: WTB "D" size Nicads

> Anybody have a supply of "D" size Nicads ?
> 4400/5000 mA ???
> i need about 20 to rework a battery pack...
> These are about 1.3 " in dia. and 2.3 " high.
> Paul w0rw
>

Date: Sun, 17 Mar 2002 21:22:21 -0500

From: <mgoins@usa.net>

To: <qrp-1@lehigh.edu>

Subject: [122382] WTB: butterfly capacitor

Message-ID: <20020318022222.19393.qmail@uwdvg001.cms.usa.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

I'm experimenting with a magnetic loop and have it working (sort of). I want
to switch to a butterfly cap because of the lowered losses. I think I need
something in the range of 5pF to 200pF. =

The antenna is working well (tuning is razor sharp, but the frequency range
isn't right at the moment. I believe the present cap is a 25-100, and I cannot
get the antenna to cover 17 (1.6:1), 20 (1.3:1), and 30 (1:1). Want to cover
17-40 (and maybe from 10-40). =

Anyone got a butterfly cap in the junk box they'd part with? Thanks for the
bandwidth.

mike

wb5yjx
1 watt all the time
QRP-ARCI 3922, SOC 54, Flying Pig 447,
Adventure Radio 810, Alaska QRP 514, QCWA 30857

Date: Mon, 18 Mar 2002 20:26:34 -0600
From: "Mike Malone" <mmalone@worldlogon.com>
To: <n1ln@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122383] Re: Pesky - KD5KXF Log
Message-ID: <002201c1ceed\$7f49d280\$85f5a7cc@malonefamily>
MIME-Version: 1.0
Content-Type: text/plain;
charset="windows-1252"
Content-Transfer-Encoding: 7bit

Wow, thanks for all the fun! Sorry about being so late with the log... been overrun with fun!!! QSB was interesting, almost 20 meter like. The H00000LLLLLLAAAAAA XE SSB was pretty tough for a while, one of the hounds called it SSB Sagebrush! Here is my log. There were a couple callers that I just couldnt copy. Had a fellow stumble into the contest by accident and funny, he was running 20x the power of everyone else and you know what? Wasn't any darned easier to copy. Well 72 all! Send corrections if you must.

0200	N4IM	559	TX	COR	5W
0205	WR50	559	TX	DAVE	2W
0208	N1TP	559	FL	TOM	5W
0211	K0EVZ	559	ND	DOC	5W
0214	N5IB	559	LA	JIM	900MW
0215	K5WAF	559	TX	BILL	5W
0215	KR5N	559	TX	MARK	5W
0216	WA5BDU	559	AR	NICK	5W
0218	W7ILW	559	AZ	WALT	5W
0221	N9NE	559	WI	TODD	5W
0222	WB6BWZ	559	GA	MATT	5W
0224	K5SA	559	MS	SKIP	5W
0225	K5UV	599	OK	MIKE	5W
0230	KI0II	559	CO	RON	900MW
0232	W5MF	559	TX	MARTY	5W
0234	N5JI	559	TX	RICH	2W
0235	K5DW	559	TX	DON	5W
0236	AF4PS	579	FL	MAC	3W
0237	W9XU	559	WI	LON	5W

0240	K5FZ	559	TX	RICH	5W	
0241	WV9N	559	OH	RANDY	5W	
0244	K5BGB	579	TX	ROD	5W	
0246	N0DSP	559	CO	TOM	5W	
0250	WA9TZE	559	WI	JIM	2W	
0252	K5JX	559	TX	RENE	5W	
0255	AD5CH	559	TX	ROD	5W	
0258	K5PSH	559	TX	JERRY	1W	
0301	K4TJD	559	GA	TOM	5W	
0302	K0CO	559	CO	OLDFART	5W	
0303	AA50	559	A	VERN	5W	
0305	KC9LC	559	VA	RANDY	5W	
0316	W6PSC	559	CA	VINTON	QRO	
0320	W5BA	559	TX	GERALD	5W	
0321	K8CV	559	MI	WALT	5W	
0325	NK9G	559	WI	RICH	5W	
0330	KK5NA	559	TX	JOE	5W	
0335	K5UV	559	OK	MIKE	5W	(DUPE)!!!!!!!!!!!!!!
0340	KB7WW	559	OR	TRACY	5W	
0340	K5VUU	559	TX	ED	5W	
0341	KE6RS	559	CA	RON	5W	

Date: Mon, 18 Mar 2002 20:35:34 -0600
 From: "Mike Malone" <mmalone@worldlogon.com>
 To: <qrp-l@lehigh.edu>, <fpqrp-l@mpna.com>, <K5DI@ARRL.NET>
 Subject: [122384] Re: [fpqrp] Cub Fox Log for 3-12
 Message-ID: <003d01c1ceee\$c0a59560\$85f5a7cc@malonefamily>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Here are the corrections so far... last call for em, Karl ready to skin me for draggin tail getting this log to him! Sorry about the delay. Have come to the conclusion that not only can I not copy, I can't type either... Good ol' KD5 nocode Malone!!! See you guys out there in the pileups!!!

0201	W5YR	559	TX	GEORGE	5W	
0203	K5JHP	559	TX	BILL	5W	<HAW HAW JSP>
0204	K8CV	559	MI	WALT	5W	
0206	K5SR	559	TX	DALE	5W	
0206	W0CH	579	MO	DAVE	5W	

0208	K0EVZ	559	ND	DOC	5W	
0209	K4FB	559	FL	PAUL	5W	
0209	AF4PS	559	FL	MAC	5W	<SWAMP RATS IN 3'S>
0211	W5USJ	559	TX	CHUCK	5W	
0213	N9NE	559	WI	TODD	5W	
0214	W2XN	559	FL	FRED	5W	
0214	VE4WI	559	OB	CRAIG	5W	
0217	W0IS	579	MN	RICK	5W	
0218	KC9LC	559	VA	RANDY	5W	
0221	N1TP	579	FL	TOM	5W	
0222	KC1FB	559	CT	JIM	5W	
0223	N4ROA	559	VA	DAN	2W	
0225	WR50	559	TX	DAVE	5W	
0226	W8ZBT	579	TX	DENNIS	5W	
0227	NV8S	559	OH	DENNIS	5W	<DUELING DENNIS'S?>
0229	K4GT	559	GA	JIM	5W	
0230	N5VT	559	LA	FRANK	5W	
0232	KN5TX	559	TX	ROY	5W	
0233	N8VAR	559	OH	RON	5W	
0235	K5DW	559	TX	DON	5W	
0236	N4IM	559	TX	COLT	5W	
0237	K8KFJ	559	WV	GARIE	5W	
0240	N2BJ	559	IL	BARRY	5W	
0241	W9HL	559	IL	RANDY	5W	
0243	WV9N	559	OH	RANDY	5W	
0246	N5ZE	559	TX	LEW	5W	<LEW BEEN "SANDBAGGIN" US ABOUT HIS ANTLER?>
0254	N0NF	559	NE	JOHN	5W	
0256	K4LKL	559	FL	LAKELAND AMATEUR RADIO CLUB	5W	
0301	K4BYF	559	FL	JACK	5W	
0303	W8PIG/4	579	FL	POORKEY	5W	
0308	WR50	559	TX	DAVE	2W	<dupe by fox request> !!!
0310	KI0II	559	CO	RON	1W	<FB QRPP>
0311	WA5PB	559	TX	BILL	1W	<THAT SIGNAL WAS HUUUUUGE>
0312	N10DL	559	NH	ARON	5W	
0314	K8DD	549	MI	HANK	5W	
0315	K4ADI	559	SC	FRANK	5W	
0317	W8YMO	559	OH	HARRY	5W	
0319	W4BOP	559	NC	JIM	5W	
0319	K0EIN	559	MO	???	500MW	<SRI, I CANT READ MY LOG ON UR CALL...?>
0322	K2CM	539	NY	GEORGE	2W	
0325	KG4LDY	559	VA	JIM	5W	
0327	KC0GXX	559	NE	TOM	5W	
0330	WA8BXN	559	OH	MIKE	5W	<oo MIKEY!>
0331	N8VE	559	OH	JACK	5W	
0333	KD4JEZ	559	FL	DAVE	5W	
0334	KB3E0F	559	MD	SANDY	5W	

0337	WB6BWZ	579	GA	MATT	5W	
0339	KJ0C	559	MO	JIM	5W	
0340	NOIT	559	MO	DAVE	5W	
0341	KB0LUR	559	CO	PAUL	2W	
0344	W6ABC	559	CA	JACK	5W	<JACK HAS WORKED ME EVERYTIME I
WAS A 40 METER OR 20 METER FOX!>						
0346	AD6JY	559	CA	DAN	5W	
0351	W6SU	559	CA	JOHN	5W	
0357	KE4VPM	559	NC	RONNY	5W	

Date: Mon, 18 Mar 2002 20:37:32 -0600
 From: "Mike Malone" <mmalone@worldlogon.com>
 To: "Mmalone" <mmalone@worldlogon.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
 Subject: [122385] Re: Pesky - KD5KXF Log
 Message-ID: <004601c1ceef\$0765c420\$85f5a7cc@malonefamily>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="windows-1252"
 Content-Transfer-Encoding: 7bit

Whoops add 0221 K4FB 559 FL PAUL 5W !!! Sorry Paul!!! My copy doesn't just
 stink... my feet and typing do too...

-----Original Message-----

From: Mike Malone <mmalone@worldlogon.com>
 To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
 Date: Sunday, March 17, 2002 8:36 PM
 Subject: Re: Pesky - KD5KXF Log

>

>Wow, thanks for all the fun! Sorry about being so late with the log...
 been

>overrun with fun!!! QSB was interesting, almost 20 meter like. The
 >H00000LLLLLLLLAAAAAA XE SSB was pretty tough for a while, one of the hounds
 >called it SSB Sagebrush! Here is my log. There were a couple callers that
 >I just couldnt copy. Had a fellow stumble into the contest by accident and
 >funny, he was running 20x the power of everyone else and you know what?
 >Wasn't any darned easier to copy. Well 72 all! Send corrections if you
 >must.

>

>0200	N4IM	559	TX	COR	5W
>0205	WR50	559	TX	DAVE	2W

>0208	N1TP	559	FL	TOM	5W	
>0211	K0EVZ	559	ND	DOC	5W	
>0214	N5IB	559	LA	JIM	900MW	
>0215	K5WAF	559	TX	BILL	5W	
>0215	KR5N	559	TX	MARK	5W	
>0216	WA5BDU	559	AR	NICK	5W	
>0218	W7ILW	559	AZ	WALT	5W	
>0221	N9NE	559	WI	TODD	5W	
>0222	WB6BWZ	559	GA	MATT	5W	
>0224	K5SA	559	MS	SKIP	5W	
>0225	K5UV	599	OK	MIKE	5W	
>0230	KI0II	559	CO	RON	900MW	
>0232	W5MF	559	TX	MARTY	5W	
>0234	N5JI	559	TX	RICH	2W	
>0235	K5DW	559	TX	DON	5W	
>0236	AF4PS	579	FL	MAC	3W	
>0237	W9XU	559	WI	LON	5W	
>0240	K5FZ	559	TX	RICH	5W	
>0241	WV9N	559	OH	RANDY	5W	
>0244	K5BGB	579	TX	ROD	5W	
>0246	N0DSP	559	CO	TOM	5W	
>0250	WA9TZE	559	WI	JIM	2W	
>0252	K5JX	559	TX	RENE	5W	
>0255	AD5CH	559	TX	ROD	5W	
>0258	K5PSH	559	TX	JERRY	1W	
>0301	K4TJD	559	GA	TOM	5W	
>0302	K0CO	559	CO	OLDFART	5W	
>0303	AA50	559	A	VERN	5W	
>0305	KC9LC	559	VA	RANDY	5W	
>0316	W6PSC	559	CA	VINTON	QRO	
>0320	W5BA	559	TX	GERALD	5W	
>0321	K8CV	559	MI	WALT	5W	
>0325	NK9G	559	WI	RICH	5W	
>0330	KK5NA	559	TX	JOE	5W	
>0335	K5UV	559	OK	MIKE	5W	(DUPE)!!!!!!!!!!!!
>0340	KB7WW	559	OR	TRACY	5W	
>0340	K5VUU	559	TX	ED	5W	
>0341	KE6RS	559	CA	RON	5W	
>						
>						
>						

Date: Sun, 17 Mar 2002 20:41:21 -0600
 From: "Pat J. Whelton" <pwhelton@hal-pc.org>
 To: <qrp-1@lehigh.edu>

Subject: [122386] XR0X
Message-ID: <00aa01c1ce26\$64d8e660\$0d71fea9@halpc.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What country is XR0X on 14.052?

Date: Sun, 17 Mar 2002 21:50:27 -0500
From: "Richard Brummer, K2JQ" <k2jq@rcn.com>
To: <w6toy@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122387] Re: Head copy
Message-ID: <00bf01c1ce27\$a9a08400\$0300a8c0@RichardE.Brummer.rcn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce,

Your three years of hard work, your "almost" degree, and a token will get you a ride on the New York City subway.

A thorough self-study MIGHT earn you completion of your Master's degree !

73

Dick K2JQ

-----Original Message-----

From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, March 17, 2002 7:12 PM
Subject: Re: Head copy

>And how much information do your simple words contain? Words like and,
>the, and to and from?
>
>By an almost degree in Behavioral Sciences I mean I finished everything
>except writing the thesis! It was a Master's degree. It involved three

>years of hard study!
>
>73
>>
>> I never said anything other than that some simple words were recognizable
by
>> sound. You seem to take any opportunity to go ballistic. Now you are
quoting
>> your "almost" degrees? Bruce, turn off the computer and take your pills!

Date: Sun, 17 Mar 2002 21:55:59 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: pwhelton@hal-pc.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122388] Re: XR0X
Message-ID: <3C95573F.A8F8ADFE@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Country: San Felix I.
Area: SA
CQ Zone: 12
ITU Zone: 14
Latitude: -26.30
Longitude: -80.1
Local - UTC: -6
DXCC prefix: CE0X
Sunset: 23.34Z
Sunrise: 11.23Z
QRB (Km): 6034 (short); 33966 (long)
QRB (Miles): 3749 (short); 21107 (long)
Heading: 178 (short); 358 (long)
Reciprocal: 358 (short); 178 (long)

Date: Sun, 17 Mar 2002 21:56:51 -0500
From: "V Cortina" <vcortina@hvc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122389] Re: Head Copy

Message-ID: <001901c1ce28\$8e7795a0\$6401a8c0@hvc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am with the majority here. I do agree that word copy may only apply to VERY common words like "the", "test" (as in contest!), "name", etc. But in the realm of medium speed, I succeed by essentially sounding the letters in my head phonetically. In other words, I don't say the letters themselves, but sound them out like a person just barely learning how to read. I realize that if I was better, I wouldn't quite sound like the idiot I do now.

e.g. the word "organization" may come out in my head as "awr Gan e za shun". It is definitely a step or two beyond copying one letter at a time, but not quite being a 50WPM screamer. Or even 30, for that matter.

My one biggest pet peeve:
alphabetsoupoperatorsthatsendlikethisandyouhavenofrigginideawhatthehecktheyre
sayingbecausetherearenodamnbreaks!

The attendant is telling me it's time for my meds now.

Be well.

Vinny KR2F
Mt. Tremper, NY FN22ua
F.I.S.T.S. #4582, QRP-L #2397
NJ-QRP #349 QRPp-I #382
FPQRP #441 E.C.A.R.S. #20188
10-X #68971
1 more year to QCWA

Date: Sun, 17 Mar 2002 20:04:43 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<Schunn99@aol.com>
Subject: [122390] Re: qrp antenna tuners
Message-ID: <000301c1ce29\$a78b74c0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Check out the BLT from Norcal:

<http://www.fix.net/~jparkernorcal/blt/blt.htm>

To see how I am using it goe to <http://www.n0rc.com> and click the MS-30 link.

73, Rod N0RC
Fort Collins, CO

----- Original Text -----

Subject: qrp antenna tuners

Schunn99@aol.com

Date: Sun Mar 17 2002 - 18:08:00 EST

>

>

> hi guys,

> do you know of any qrp antenna tuners can could be used with a kit
like the

> tiny tornado?

Date: Sun, 17 Mar 2002 20:08:13 -0700

From: "Rod N0RC" <rod@n0rc.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [122391] FW: We will never Forget!!

Message-ID: <000301c1ce2a\$24e832f0\$6401a8c0@greyrock>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Thanks Ron,

I enjoyed it. Something everyone should view to remember why we are in Afghanistan (COWARDLY OSAMA BIN BASTARD) sorry I get a bit angry every time I think of that day and the events. I never want to loose that feeling toward those responsible.

73, Rod N0RC
Ft Collins, CO

Date: Sun, 17 Mar 2002 20:11:13 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
<pwhelton@hal-pc.org>
Subject: [122392] Re: XR0X
Message-ID: <000301c1ce2a\$903c8c40\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

USing XR0X as a key word for a Google search is find:

<http://cordell.vwh.net/SFX/>

It is the first referenced link.

73, Rod N0RC
Ft Collins, CO

Date: Sun, 17 Mar 2002 19:25:23 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Cc: jnovello@teleport.com
Subject: [122393] Tiny Tornado: Eye of the Storm!
Message-ID: <F262dTq77ztGtoMARGq0001fa28@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wow, the power of the internet!

I called CQ with the Tiny Tornado as advertised right at 0300Z -- boom! My TT receiver was filled with stations! Well, at least it sounded like it, hi!

In fifteen minutes I worked Lee KD7CTF Oregon, N0DSP Tom in COLO, Randy K7TQ in Idaho, and Frank AA7XA just up the road from me! How thrilling to have stations CALL ME, hi! Thanks Guys!

Reports varied from a 339 in Colorado to 579 in Otis, Oregon. I used the TT for both transmit and receive. Randy commented he called earlier but I didn't hear him...so my now curious about my offset. I copied everyone very

well, most answered me with a received tone of about 650hz...

At 0315Z a digital station came on frequency so I flipped the power switch to off. But hey, 200mw off a worn 9v battery! It worked!

That was fun!

73 John K7FD, Tiny Tornado

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sun, 17 Mar 2002 21:28:37 -0700
From: zeekzilch@juno.com
To: CQCLIST@yahoogroups.com, qrp-1@Lehigh.EDU
Subject: [122394] Good CW Procedure Article on ARRLWeb
Message-ID: <20020317.212842.-589293.5.zeekzilch@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rod,

Thanks for the heads-up, it was a great CW article and I wrote the author to tell him so. I also appreciated that he mentioned the growing habit of never giving the other station's call sign. Even though it's not required by the FCC, it would be nice, especially in difficult conditions, if the other station would simply answer my CQ with something like; "WB0JNR DE VQ9GB K"

72s
Roger
<http://www.rogerwendell.com/morsecode.html>

On Sat, 16 Mar 2002 06:53:34 -0700 "Rod N0RC" <rod@n0rc.com> writes:
> Something good to read, print out, and re-read now and again.
>
> <http://www.arrl.org/news/features/2002/03/17/1/?nc=1>
>
>
> 73, Rod N0RC
> Ft Collins, CO

>
>
> ----- Yahoo! Groups Sponsor
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> <http://us.click.yahoo.com/BgmYkB/VovDAA/ySSFAA/ELTo1B/TM>
>
> ----->
>
> To unsubscribe from this group, send an email to:
> CQCLIST-unsubscribe@yahoogroups.com
>
>
>
> Your use of Yahoo! Groups is subject to
> <http://docs.yahoo.com/info/terms/>
>
>
>

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 17 Mar 2002 22:31:23 -0600
From: "Mike Duke, K5XU" <k5xu@netdoor.com>
To: <qrp-1@lehigh.edu>
Subject: [122395] Mic Switch?
Message-ID: <008601c1ce35\$e2952be0\$ebd294d0@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A long time ago, some company (AEA I think) sold a switch box which allowed you to use one mic with two rigs.

Does anyone still make such a gadget?

Or, if you have one that is no longer needed, let me know off list so that we can make a deal.

I know about the Kenwood mic which included an option for 3 rigs, but don't really want that particular microphone.

72,
Mike, K5XU

Date: Sun, 17 Mar 2002 22:44:21 -0600
From: "Michael A. Newell, WB4HUC" <mnewell1@austin.rr.com>
To: <FT817@yahoogroups.com>
Subject: [122396] Palm PDA to FT-817 Connection - How To?
Message-ID: <01d901c1ce37\$92975940\$6401a8c0@austin.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is a question I've gotten several times over the past few months, so tonight I've updated the web site with an explanation complete with photos.

Visit <http://wb4huc.home.texas.net/ft817> and click the 'latest news' link right above the Introduction. If this link is NOT dated 03/17/2002 when you look at it, you should click the Reload or Refresh button to update the page in your web browser. When you get to the updates page, if the first item you see is NOT dated 03/17/2002, click the Reload or Refresh button for this page, too.

73,

Mike - WB4HUC
Austin, TX
<http://wb4huc.home.texas.net>

Date: Mon, 18 Mar 2002 05:05:15 +0000
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [122397] [OT] CW CDs and MP3 [long]
Message-ID: <5.1.0.14.0.20020318043102.009e8cb0@mail.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Someone the other day asked me a question about the CW CDs that I do aperiodically. Here is an update for all to browse and if this is not of interest to you, then you might wanna hit the delete key at this time. :-)

Many many years ago I wrote a C program that generated perfect CW using an SGI O2 computer system. I used the system to make my own CDs for high speed practice. Well, within the last 3 months or so I bought a high speed ASUS system at 1.2GHz clock speed using an AMD Duron processor. This puppy completes my physics programs that used to take almost 3 hours to complete on a Cray now finish in 11 minutes!!! And the system was not all that expensive as it was one of those BYO (build your own) types. So I retired the O2.

I also bought a few weeks ago an MP3 player made by KOSS. So I am now doing a single CD with more than 12 hours of morse on it starting at 20WPM and going to 35WPM. In the process I have learned a great deal and I thought that I would pass it on to the group. The KOSS system has a problem with ISO9660 file systems. If I generate a CD using the Win98 CD creator the CD will play just fine, but if I use "cdrecord" on the SuSE 7.3 system above the CD now becomes a coaster even though I can mount the CD on either Win98 or Linux and examine the files. I now have to work on the problem as a side issue to determine the exact error that is causing the problem. There are a few candidates here for the problem including KOSS.

For those of you that were using my MP3 files on qsl.net for practice: those files will go away. The last file had a problem and just 5 minutes ago I figured it out. I have spent ALL day working with AIFF, WAV, MP3 formats and software to convert between all of them. Then it dawned on me that my own CW program using the 'big endian' format instead of the 'little endian' format for storage was part of the problem in the MP3 conversion. This is not related to the ISO9660 problem above.

So I can now do all the work on a single system once I figure out the ISO9660 problem.

My plan is to have the project completed by Dayton in May and bring some discs with me to sell. The reason for the MP3 format is that the technology is getting cheaper by the week and it is much easier to do 12 hours on a single disc than to have 12 separate discs to switch back and forth for different lessons.

So the first person to help me solve the ISO9660 problem gets a disc a year until I quit doing them. <sk> ;-) And I can do them at ANY speed you can copy and then some..... ;-) It used to take me more than an hour to do a single one hour CD. I can now do a 10-12 hour CD in less than an hour for creation. Neato. And if I do both channels then I can double the capacity of the disc.

I have been doing CDDA discs for years with two hours (one channel per text) on a disc. In the process of memorizing an encyclopedia and the dictionary.... ;-) The technology that we enjoy today is significantly improved from 25 years ago when some of us were doing 6800 and 6809 assembly language and using KC standard audio tapes to store programs. I still have an autographed paper tape from Bill Gates with the 8080 BASIC incremental compiler on it. May have to even put it up on e-bay. ;-) Then there is the Oliver Audio Engineering paper tape reader which you fed by hand. Those were the days.

Even though the internet can make our lives easier the problems with not having T1 links still exist and the CD is the easiest way to still some stuff. IMHO.

I chose to start at 20WPM and not any lower is that the ARRL has a three set of CDs from zero to 22WPM and I can't do any better than they do. See my web page for the first set of instructions with schedule. I'll try to get the other two up there this week now that I'm on the project daily until I get done.

I am also in the process of recording all the CW tapes that I have ever bought and putting them on CDs for permanent storage (well as permanent as that can be). I worked out the issue of recording through the input port, making WAV files, and writing to the CDs. I didn't want to become a pseudo-expert on audio in the process but I have invested more time that I care to admit. Bought all the books and read them and then read the manuals.... ;-) I'd bet I've got some tapes that some people have never heard of. Could be the biggest collection around. I'll do an inventory later.

FYI,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Sun, 17 Mar 2002 21:26:41 -0800 (PST)
From: Robert Distaffen <robkf2ys@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [122398] Re: Head copy
Message-ID: <20020318052641.74462.qmail@web12508.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Congrats on nearing the completion of your degree.
Just a question. Did you do ALL that reading out
loud? or did you "copy in your head"?

Rob
KF2YS

--- Bruce Muscolino <w6toy@erols.com> wrote:
>
> Perhaps I do have a "take no prisoners" attitude. I
> have been licensed
> for 47 years now, and have been copying CW for all
> of it! I actually
> can do up around 30 wpm, but I don't choose to. I
> am happiest at about
> 18 wpm. It is less work and takes less
> concentration. I don't worry
> that my skills will not be available when I want
> them either.
>
> As far as learning, I have most of a Master's degree
> in Behavioral
> Sciences. Psychology is one of the Behavioral
> Sciences. Learning
> Psychology is a large part of the field!
>
> I have thought long and hard about how I learned the
> code. I have
> thought long and hard about how I learned to speak,
> both english, and
> foreign languages. I stand by what I have
> concluded, CW is learned a
> letter at a time. It is transmitted a letter at a
> time. It always has
> been, and probably always will be. Anybody remember
> the recent
> discussions of the Koch method? What did it do
> except to teach you the
> characters?

>
> We learned to speak by imitation. This is not to
> say that if you let
> your pet only hear english he would speak it, he
> doesn't have the voice
> box to accommodate it. But human babies do, they
> imitate what they
> hear.
>
> Speaking has nothing to do with writing, or
> spelling! People can speak
> without being able to write their names or spell
> anything! CW cannot be
> copied without first learning to write down the
> characters, except at
> very slow speeds and over a long time.
>
> But speech characteristics are learned, again by
> imitation. If your
> principle teachers spoke with an accent, so will
> you! CW depends
> heavily on correctly sending the characters, and on
> the rhythm they are
> sent with. If you hear the word "and" sent
> correctly, with a 3:1
> weighting, it will sound one way, if you hear it
> sent with a 2:1
> weighting, it will sound differently. To me this
> compromised the
> concept of head copying words! Yes they can be
> recognized with
> sufficient practice, but only short words.
>
> CW can be copied in your head. But you will still
> be copying a
> character at a time, except for very short words.
> And if you have to
> stop and write something down, you will miss much
> more than the few
> characters sent while your attention is diverted!
>
> So, maybe I do take a "no prisoners" attitude. I
> have not yet heard any
> sound scientific proof that head copy is possible!
> I have only heard
> anecdotal evidence that some people can copy some
> words occasionally!
> This is why I say it is mostly a myth. Instead of

> trying to do
> something which seems impossible, you can get the
> same place if you
> practice and think about what going in when you
> learn!
>
> 73

Do You Yahoo!?
Yahoo! Sports - live college hoops coverage
<http://sports.yahoo.com/>

Date: Mon, 18 Mar 2002 05:45:56
From: "Bruce Prior" <n7rr@hotmail.com>
To: frankg@macn.bc.ca, qrp-canada@neale.gpfn.sk.ca, nwq-1@scn.org,
qrp-1@Lehigh.EDU
Subject: [122399] Backpacking Antenna Launching
Message-ID: <F68goSVXGBJfoGSoQIj00007a88@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Thanks for reminding me of the Adventure Radio Society site, Frank. Maybe I should contribute a piece on "brute force antenna launching." Briefly, after lots of experimenting, and always keeping backpack weight in mind, I've finally settled on launching antennas by lobbing a rather sizeable rock (picked up from the station site -- often from the spot I picked for my bed, of course!) over a high tree branch tied to parachute cord (genuine military surplus) using a Scaffold Knot. A heavy rock doesn't tend to wrap around a branch and does a good job of leading the cord through branches and back to the ground. Then I tie the end of the wire antenna to the cord using a Hunter Bend and use the cord to gently pull it aloft. It's low-tech, but knots are very interesting. They often substitute for equipment. Knowledge of knots weighs nothing in a backpack! An excellent source of knot lore is Geoffrey Budworth's book, The Ultimate Encyclopedia of Knots & Ropework, Prospero Books, 1999.

72, Bruce Prior N7RR

-----Original Message Follows-----
From: frankg@macn.bc.ca
To: "Bruce Prior" <n7rr@hotmail.com>
Subject: Re: Elecraft K1 Transceiver: A Lean, Mean CW Machine
Date: Sat, 16 Mar 2002 11:45:33 -0800

Hi Bruce:

Tnx fer the response. The site I suggested is not mine but rather an online "QRP mag" for the outdoorsperson. You can find it at:

<http://www.natworld.com/ars/>

72 de Frank

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Mon, 18 Mar 2002 00:14:03 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [122400] Re: Antenna question... trap dipoles
Message-ID: <FJF6ZSM932YZJFVUMJVRU94D92ZJF.3c9585ab@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

Mike asked:

"I have a 40M dipole up that works gangbusters on 40M. I feed it with 300ohm twinlead from my K2 equiped with an ATU.

Now, I'm really pleased with what it does.

I was just wondering... While the K2 can bring it in to at worst case an SWR of 1.3:1 on ANY band from 80 through 10, there's gotta be wierd feed line radiation and looses. So, if I were to put up a TRAP dipole...

But will I see a REAL difference in performance? Inquiring minds want to know! Or at least have an idea of a reasonable expectation before I start scrounging for caps and winding toroids".

No. In fact, given that traps introduce loss into the system, it is possible that you may notice a decrease in performance -- although not likely.

The main difference that you will notice is a difference in radiation pattern.

With the trap dipole, the radiation pattern will be broadside on all bands.

With the 40m dipole, the main lobes begin splitting into four-leaf and then more lobes which mean extra coverage on the high bands. In addition, the gain of the 40m dipole increases as you move up the high bands.

So, in addition to introducing loss, you will be lessening your high band coverage.

You could give it a try anyhow.

72, Ade W0RSP

Date: Mon, 18 Mar 2002 00:35:29 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@lehigh.edu
Subject: [122401] Shortened Dipole Concept -- SPRAT Autumn 1990
Message-ID: <NIED97NJCBLG42QLHEP02V2YN6462VQ.3c958ab1@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi gang:

Shortened horizontal antennas are a frequent topic here, so Gus Taylor, G8PG's article in SPRAT Autumn 1990 might be of interest to apartment dwellers and other space-challenged QRP'rs.

Gus notes that the concept goes way back beyond 1975 when he first wrote it up for the second issue of SPRAT (took up where THE MILLIWATT left off).

The concept is simple: an end portion of the radiator on each side is folded into a non-inductive set of "U" shaped folds. This end loading has the benefit of raising the feedpoint impedance, which is always low or very low on a shortened ant. His model antenna is designed for 20m, so a pair of 16.5ft wires are cut (dipole = 33ft total). As usual, the inner ends are attached to some sort of center insulator to which the twinlead also is attached. He chose a reduced length of 10ft, which means that each side has an inner radiator of 5ft length, leaving 11.5ft to be folded.

The folding technique employs a flat piece of cardboard 14in x 12in. Nine holes are punched along the two 12in sides. The holes are 1in apart. They can be numbered, for illustrative purposes, as follows:

TOP ROW (12in edge)

1-4-5-8-9-12-13-16-17

BOTTOM ROW

2-3-6-7-10-11-14-15-18

The extra 11.5ft is fed in thru hole #1, stretched 14in across the board and thru hole #2, looped to hole #3, across the board to hole #4, looped to hole #5 and so on until the extra 11.5ft is all in place.

Gus used 15ft of cheapie twinlead -- don't roll it. If it is too long, then zigzag it with curved bends etec.

Naturally, it is fed with a balanced tuner. Gus was surprised that he could make many 40m QSO's with it although it is rather inefficient on that band.

The attractive feature of the antenna is that it will tune up and work on the higher bands as well. At 10ft, it will find space in all but the smallest apartments.

If anyone tries it, let us know how it does.

72, Ade W0RSP

Date: Mon, 18 Mar 2002 02:06:39 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: "Richard Brummer, K2JQ" <k2jq@rcn.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122402] Re: Head copy
Message-ID: <3C9591FF.E5761B6C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Perhaps you are right, but what do I do with the 3.9 GPA i earned through hard study already? The course work is what makes the degree.

Date: Mon, 18 Mar 2002 02:15:20 -0500

From: Bruce Muscolino <w6toy@erols.com>
To: robkf2ys@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122403] Re: Head copy
Message-ID: <3C959408.828FA0D2@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well thank you. But you obviously haven't grasped the essential difference between a spoken or written language and CW. Spoken and written languages do not depend on character by character transmission of information, CW does! So, to answer your question, I studied in silence except when answering my professor's questions.

73

Date: Mon, 18 Mar 2002 02:35:55 -0500
From: "Matt Lee, WB6BWZ" <Matt@Tenn-Valley.com>
To: <mgoins@usa.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122404] RE: WTB: butterfly capacitor
Message-ID: <NDBBJPBMMLGNBGMICADCEDDHOAA.Matt@Tenn-Valley.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike,

Contact Allen Bond WB4GNT <<http://www.mgs4u.com/contact.htm>>. He has lots of air variable capacitors than what is listed on his web page
<<http://www.mgs4u.com/airvar.htm>>.

Another source is Ocean State Electronics <<http://www.OSElectronics.com/>>.

--

Matt Lee, WB6BWZ * 404-609-0780 * 404-355-1555 * eFax 801-340-2487
TeleMed, Inc. (MIS-Engrg) * Physician Call Ctr * Atlanta Georgia
Business Email: Matt@TeleMedinc.com <<mailto:Matt@TeleMedinc.com>>
Personal Email: Matt@Tenn-Valley.com <<mailto:Matt@Tenn-Valley.com>>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [<mailto:owner-qrp-1@Lehigh.EDU>] On Behalf Of
> mgoins@usa.net

> Sent: Sunday, March 17, 2002 21:22
> To: Low Power Amateur Radio Discussion
> Subject: WTB: butterfly capacitor
>
>
> I'm experimenting with a magnetic loop and have it working (sort of). I want
> to switch to a butterfly cap because of the lowered losses. I think I need
> something in the range of 5pF to 200pF.
>
> The antenna is working well (tuning is razor sharp, but the frequency range
> isn't right at the moment. I believe the present cap is a 25-100, and I can
> get the antenna to cover 17 (1.6:1), 20 (1.3:1), and 30 (1:1). Want to cover
> 17-40 (and maybe from 10-40).
>
> Anyone got a butterfly cap in the junk box they'd part with? Thanks for the
> bandwidth.
>
>
> mike
> wb5yjx
> 1 watt all the time
> QRP-ARCI 3922, SOC 54, Flying Pig 447,
> Adventure Radio 810, Alaska QRP 514, QCWA 30857

Date: Mon, 18 Mar 2002 01:17:03 -0700
From: "Damon Raphael" <w7md@dakotacom.net>
To: <pwhelton@hal-pc.org>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122405] Re: XR0X
Message-ID: <000a01c1ce55\$51e3a520\$526efea9@235.160.20.dakotacom.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

San Felix

----- Original Message -----
From: "Pat J. Whelton" <pwhelton@hal-pc.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, March 17, 2002 7:41 PM
Subject: XR0X

> What country is XR0X on 14.052?

>
>
>
>
>

Date: Mon, 18 Mar 2002 04:03:12 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Mike Malone <mmalone@worldlogon.com>
Cc: <qrp-1@lehigh.edu>, <fpqrp-1@mpna.com>, <K5DI@ARRL.NET>
Subject: [122406] Re: [fpqrp] Cub Fox Log for 3-12
Message-ID: <Pine.LNX.4.33.0203180402090.11741-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks Mike. I will get it entered and then the year will be complete. See you tuesday!

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 18 Mar 2002 07:36:01 -0500
From: "V Cortina" <vcortina@hvc.rr.com>
To: "Bruce Muscolino" <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122407] Re: Head Copy
Message-ID: <000d01c1ce79\$769dc3e0\$6401a8c0@hvc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

When I said "sound out phonetically", I did mean in my head, not out loud. I, too, guess on long words, and when I'm wrong, I get all screwed up.

72,

Vinny KR2F
Mt. Tremper, NY FN22ua
F.I.S.T.S. #4582, QRP-L #2397
NJ-QRP #349 QRPp-I #382
FPQRP #441 E.C.A.R.S. #20188
10-X #68971
1 more year to QCWA

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: <vcortina@hvc.rr.com>
Sent: Monday, March 18, 2002 2:20 AM
Subject: Re: Head Copy

> I think some spelling capability is involved here. I don't sound out
> the words phonetically on CW, I silently spell them to myself. I can
> often make a guess on a long word because of the context it is in, but I
> am probably wrong as often as I am right! The short words often don't
> contain much information that is pertinent to the QSO.

Date: Mon, 18 Mar 2002 08:24:00 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: <vcortina@hvc.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122408] Re: Head Copy
Message-ID: <000701c1ce99\$6252db80\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interesting thread. Has anyone considered how the mind functions? Grouping telephone numbers was done in a manner consistent to easy retention. The same applies to the shorthand (Q signals) & other abbreviations common to Amateur Radio / telegraphy. We can parallel CW to bits verses bytes. Bits are sent, form words, stored & assembled into words or phrases or sentences. That's the syntax of CW and communications in general.

Debate if copying every word is necessary ... we listen ... but do we have to hear every word to get the gist of a conversation. Case in point. "I'd like to wish him a happy birthday" Reduced, the person said: "Happy Birthday" Your brain has filtered out the verbosity. I'll admit the old

way of x minutes of solid copy proved proficiency, but the gist suffices excepting for critical messages. Any comments?

----- Original Message -----

From: V Cortina <vcortina@hvc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: 18 March, 2002 04:36
Subject: Re: Head Copy

>
> When I said "sound out phonetically", I did mean in my head, not out loud.
> I, too, guess on long words, and when I'm wrong, I get all screwed up.

>
> 72,
>
> Vinny KR2F
> Mt. Tremper, NY FN22ua
> F.I.S.T.S. #4582, QRP-L #2397
> NJ-QRP #349 QRPp-I #382
> FPQRP #441 E.C.A.R.S. #20188
> 10-X #68971
> 1 more year to QCWA

>
>
>
> ----- Original Message -----
> From: "Bruce Muscolino" <w6toy@erols.com>
> To: <vcortina@hvc.rr.com>
> Sent: Monday, March 18, 2002 2:20 AM
> Subject: Re: Head Copy

>
>
> > I think some spelling capability is involved here. I don't sound out
> > the words phonetically on CW, I silently spell them to myself. I can
> > often make a guess on a long word because of the context it is in, but I
> > am probably wrong as often as I am right! The short words often don't
> > contain much information that is pertinent to the QS0.

>
>

Date: Mon, 18 Mar 2002 06:30:36 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122409] FW: We will never Forget!!

Message-ID: <000301c1ce81\$16bbe440\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

My apologies to all list members.

My reply was intended for a single individual, not the list.

73, Rod N0RC
Fort Collins, CO

----- Original Text -----
Subject: FW: We will never Forget!!
From: Rod N0RC (rod@n0rc.com)
Date: Sun Mar 17 2002 - 22:08:13 EST
...
Thanks...

Date: Mon, 18 Mar 2002 13:29:49 +0000
From: Wayne Scace <WM-Scace@wiu.edu>
To: "low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122410] Fwd: The Morning Muse (It's a joke, live with it)
Message-ID: <5.1.0.14.0.20020318132914.00abc788@POP3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Reply-To: <SB-Scace@wiu.edu>
>From: "sb-scace" <SB-Scace@wiu.edu>
>To: <SB-Scace@wiu.edu>
>Subject: The Morning Muse
>Date: Mon, 18 Mar 2002 07:10:22 -0600
>X-Mailer: Microsoft Outlook IM0, Build 9.0.2416 (9.0.2911.0)
>Importance: Normal
>
>The realm of King Arthur was sorely beset by the encroachments of the
>Saxons. Sadly, there were few Knights left to fight them. King Arthur,
>despairing the probable downfall of Camelot, turned once again to Merlin,
>his friend and wisest advisor.
>
>"Merlin, I fear that even your great resources will not avail us at this

>critical time." (Kings speak in that phony kind of prose so you'll have to
>excuse him.
>
>"We shall never be able to turn back the Saxons without many more Knights.
>The Round Table is sorely depleted and I have little hope."
>
>"Fear not, my King" said Merlin. "I have a plan. Bring me parchment and ink
>and all your scribes. Then bring me the youth of the nearby peasants, the
>stable boys, and the young servants of the castle. I shall give you your
>Knights!"
>
>"Merlin, Oh Merlin, I fear you've lost your wisdom. It takes years to become
>a Knight. One must grow in experience, be tested in battle and character...
>It cannot be done.", said Arthur.
>
>"Trust me, my King" said Merlin. "I have devised a method of creating
>Knights on the instant."
>
>Soon, as bidden, the male youth of the nearby peasantry were summoned to
>Camelot, along with the stable boys and the younger servants. Merlin had
>them arrayed in a single line that stretched almost as far as the eye could
>see. One by one, each young man stepped up to a table beneath a pavilion
>where Merlin sat. The humble youth entered, full of fear and not knowing
>what to expect. As they passed Merlin, he handed each one a piece of
>parchment with the seal of Camelot printed upon it by the scribes. Each
>parchment and the image upon it was exactly like the others.
>
>Miraculously, as each young man took the parchment and placed it on his
>forehead, a change took place in him. They all stood taller, stronger --
>their eyes flashed with confidence and power. As they exited the pavilion,
>each one was truly a powerful Knight! They were handed their swords and
>given great horses to ride and galloped off to do battle. Nearly a thousand
>of the humble became Knights that single day. History tells us that they
>were successful and helped preserve Camelot for yet another generation.
>
>Merlin, of course, is known to this day, as the inventor of the Printed Sir
>Kit.
>
>Thought you'd like that,
>Stephanie
>
>P.S. Who's the Round Table's roundest knight? Sir Cumference.
>
>_____ ICQ#:7611469 SMS: (Send an SMS
>message to my ICQ): +27831427611469 More ways to contact me:
><http://www.icq.com/7611469> _____

Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
k9di@qsl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
QRPp-L# 243
FPQRP-L# 217
SOC# 452
ARS # 1,082
Zombie # 800
<http://www.qsl.net/k9di>

Date: Mon, 18 Mar 2002 07:41:44 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122411] RE: Care & Feeding of 300 Ohm Twin Lead
Message-ID: <01C1CE50.5AB06620.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I think some of the standard practice is --

Don't coil or fold it on itself.

Avoid contacting metal or ground. If paralleling conductive members, maintain spacing and maybe put some twists in the line.

Try to come away from the antenna at right angles as far as you can.

72--Nick, WA5BDU

-----Original Message-----

From: MITCHELLRI@aol.com [SMTP:MITCHELLRI@aol.com]

I have a dipole in the attic fed with 300 ohm Radio Shack twin lead, (yes, Im really cheap), going to an MFJ Tuner. How concerned should I be regarding non-straight runs of the line? I know that it is not critical with coax but am not sure about this wire.

Leeds Mitchell

WA1GJF

Date: Mon, 18 Mar 2002 09:30:48 -0500
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [122412] Trade for QRP items
Message-ID: <005c01c1ce89\$7fac6350\$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

I am wanting to get back into QRP again. I have a nice Drake TR7, PS7, MS7, MN7. I am interested in trading only. I just sent the rig back to "The Man" and its in perfect working condition. I'm looking for these rigs

Ten Tec 509, 515, Argosy II, Argosy

OHR 500, WM-2

Elecraft K2 or K1

Yaesu FT-817

Wilderness Sierra, NorCal 40, SST

SGC 2020

QRP Plus

Kenwood TS-130V

Yaesu FT-301S or SD

Please email if you are interested, let me know what you have and I will go over all the options on the Drake.

Thanks

Ronnie

KE4VPN

Date: Mon, 18 Mar 2002 07:33:44 -0700
From: "Bruzenak George" <bruzer1@mindspring.com>
To: <n7rr@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122413] Re: Backpacking Antenna Launching
Message-ID: <006e01c1ce89\$e94a8120\$e342be3f@bruzenak55>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yah, but I'll bet that book weighs a ton in the backpack!!

: -))

72 de George K0CNT

----- Original Message -----

From: "Bruce Prior" <n7rr@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, March 18, 2002 5:45 AM

Subject: Backpacking Antenna Launching

> Thanks for reminding me of the Adventure Radio Society site, Frank. Maybe I

> should contribute a piece on "brute force antenna launching." Briefly, > after lots of experimenting, and always keeping backpack weight in mind, > I've finally settled on launching antennas by lobbing a rather sizeable rock

> (picked up from the station site -- often from the spot I picked for my bed,

> of course!) over a high tree branch tied to parachute cord (genuine military

> surplus) using a Scaffold Knot. A heavy rock doesn't tend to wrap around a

> branch and does a good job of leading the cord through branches and back to

> the ground. Then I tie the end of the wire antenna to the cord using a

> Hunter Bend and use the cord to gently pull it aloft. It's low-tech, but

> knots are very interesting. They often substitute for equipment.

Knowledge

> of knots weighs nothing in a backpack! An excellent source of knot lore is

> Geoffrey Budworth's book, The Ultimate Encyclopedia of Knots & Ropework,

> Prospero Books, 1999.

>

> 72, Bruce Prior N7RR

>

> -----Original Message Follows-----

> From: frankg@macn.bc.ca

> To: "Bruce Prior" <n7rr@hotmail.com>

> Subject: Re: Elecraft K1 Transceiver: A Lean, Mean CW Machine

> Date: Sat, 16 Mar 2002 11:45:33 -0800

>

> Hi Bruce:

>

> Tnx fer the response. The site I suggested is not mine but

> rather an online "QRP mag" for the outdoorsperson. You

> can find it at:

>
> <http://www.natworld.com/ars/>
>
>
> 72 de Frank
>
>
>
>
> -----
> Send and receive Hotmail on your mobile device: <http://mobile.msn.com>
>

Date: Mon, 18 Mar 2002 10:25:06 -0500
From: "V Cortina" <vcortina@hvc.rr.com>
To: "Bruce Muscolino" <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122414] Re: Head Copy
Message-ID: <000901c1ce91\$18ec3e80\$6401a8c0@hvc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

By hearing a couple, or a few letters as a group or syllable. When you say STRONG you are pronouncing the "sss ttt rrr" individually, but my ears and brain hear it as "str", it just happens very quickly, of course. I actually hear things like "ing" and "ily" and "ation" as sounds, providing, of course, they are sent fast enough. Granted, at 15 WPM or below, it is pretty much letter by letter, as you say.

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: "V Cortina" <vcortina@hvc.rr.com>
Sent: Monday, March 18, 2002 10:00 AM
Subject: Re: Head Copy

> But how can you sound out something that is sent a character at a time?
> It really does not matter if you do it out loud or in your head. You
> should be concentrating on the next character being sent. Then after
> you have a few you can make a guess based on spelling, not sound!

>
> 73

Date: Mon, 18 Mar 2002 10:33:38 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w2wurjj@verizon.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122415] Re: Head Copy
Message-ID: <3C9608D2.7C3E6C91@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To risk sounding pompous again, isn't that exactly what I have been saying? Maybe I didn't use the words "examine how the mind functions", but that is what I meant.

I only questioned the concept of "head copy" as it is used in current terminology. I can and do copy CW in my head, and have done so for 30 years or more, but:

I recognize that if I have to make a note I am going to miss something. I don't try for 100% recollection of what is being sent. Much of our spoken conversation is filled with "place keeping" words that convey very little information. They can be ignored when we listen to a speaker and they can be ignored in a CW QSO!

I copy CW a character at a time, the way it is sent. Sure, some things will sound like words. They are actually words, but they make up so little of the intelligence in the exchange they could be forgotten! The same is true for things like the W1AW preambles, they are the exact same thing every time with only minor changes. You memorize them, you may hear them but you are only hearing your memory!

I believe I have a very good grasp of how the mind works, and have applied it to my learning for many years! There are way too many people who have never had an original thought or even examined what they say. This is the key to learning, but most people don't seem to want to learn anything, they just want their thoughts confirmed, right or wrong! You should be congratulated for having the courage to take abuse from them by been mentioning the mind!

73

Date: Mon, 18 Mar 2002 10:40:11 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: V Cortina <vcortina@hvc.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122416] Re: Head Copy
Message-ID: <3C960A5B.E455D8B9@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I agree with your statement, but why go through the effort to first translate "str" into "sss ttt rrr" first? Why not just hear the "str" as it is being sent? You are not listening to a spoken language, you are listening to a language sent a letter at a time. If you don't adapt to that you are only penalizing yourself in speed!

73

> When you say
> STRONG you are pronouncing the "sss ttt rrr" individually, but my ears and
> brain hear it as "str", it just happens very quickly, of course.

Date: Mon, 18 Mar 2002 07:50:04 -0800 (PST)
From: Shawn Upton <kb1ckct@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [122417] Re: Class E amplifier experiments
Message-ID: <20020318155004.77921.qmail@web10107.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I built one of those "M0useFET" amplifiers from QST a few years ago, and while I don't have the article right here in front of me, I remember that the drive to the IRF510 was on the order of 12V or so. The gate can take up to 20V, and I suspect you really need alot more voltage to turn it on hard really fast. Maybe some sort of L network to double the voltage? Or maybe use one stage, of a smaller mosfet (lower input capacitance), in order to get the higher voltage for the '510 gate drive? Just a regular class C guy--I guess you could use a 2n2222, drive the base really hard, and use as small a resistor as possible going up to the 12v supply.

Well, maybe you should use a class b amp; to keep

efficiency high, I think you want the gate to turn off just as fast, so that it doesn't "leak" current in the off state--as the gate voltage drops slowly, the 'fet goes into ohmic region, drawing much less current but current nevertheless. So maybe a "rich" npn/pnp inverter, running from the 12V supply, and diode connecting the input signal, so that it is "open-collector", driving the inverter.

KB1CKT

Date: Sun, 17 Mar 2002 16:19:47 -0500

From: Steven Weber

To: qrp-1@lehigh.edu

Subject: [122365] Class E amplifier experiments

Message-ID:

<3.0.6.32.20020317161947.007ad5d0@mailhost.ncia.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

The other day I decided to try building a Class E, MOSFET amplifier, like Paul Harden was describing recently.

First, I tried using a 300 MHz CMOS op amp as the comparator, to square up the input signal and adjust the duty cycle. However, the op amp turned out not to be nearly fast enough to give a sufficiently fast rise and fall times on the output, especially at low duty cycles, when the input wasn't being well over driven. (this was at 14 MHz) A complementary current booster, using a 2N3094 and 2N3906 on the op amp output helped, but not enough.

So, I decided to try a digital approach. I built a pulse generator from a 74HCT74 D flip-flop. The input signal is amplified to clock the F-F. The D input is tied high. The Qnot is feed back to the Q reset pin through a resistor. (active low reset) The stray capacitance of the reset input pin in combination with the resistor forms an R/C time constant, so a pulse appears on the Q output. A 1K resistor produced about

a 33% duty cycle at
14 MHz. By adding small capacitors from the reset pin
to ground, or
changing the value of the resistor, one can change the
duty cycle.

Driving an IRF510 directly from the 74HCT74 Q output
loaded down the output
and still wasn't getting a very good rise and fall
time. So, I added a
74ACT00 to buffer the F-F output. We need a double
inversion, so one
section of the 'ACT00 inverts the Q output, and the
other three sections
are paralleled together to drive the '510. This
finally produced a good
steep pulse to drive the gate.

Running the logic a 5 volts wasn't enough to turn on
the mosfet really hard
though. Going to 6 volts helped, which is the most
these parts will take.
Even after all that, the best I could do for
efficiency is about 60%.

Paul, if your reading this, what are you using for a
comparator and what
kind of efficiency are you getting?

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Do You Yahoo!?
Yahoo! Sports - live college hoops coverage
<http://sports.yahoo.com/>

Date: Mon, 18 Mar 2002 07:57:07 -0800 (PST)
From: Shawn Upton <kb1ckt@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [122418] Re: Head Copy

Message-ID: <20020318155707.64812.qmail@web10108.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I've been following this head copy thread, and I've got two questions:

- 1) how does one send 30wpm and up? Keyboard?
- 2) how fast can one get, reasonably, with a single paddle? Or even a regular keyer (with a dit and a dah paddle)?

I like the idea of head copy, and doing fast code, but I also don't want to have to type it out--doesn't work well for a minimalist-backpack setup, which I want to get into this summer.

KB1CKT

Do You Yahoo!?
Yahoo! Sports - live college hoops coverage
<http://sports.yahoo.com/>

Date: Mon, 18 Mar 2002 11:05:28 -0500
From: "V Cortina" <vcortina@hvc.rr.com>
To: "Bruce Muscolino" <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122419] Re: Head Copy
Message-ID: <000701c1ce96\$b94e0980\$6401a8c0@hvc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I assume you mean when receiving morse code. I am saying that that IS exactly what I am doing sometimes. (I would do it all the time if I was better at it). I hear the "str" or "ing" ... etc as a whole sound. If you are referring to spoken "str", I do not, nor does anyone, of course, break it down to s-t-r in their minds, but you ARE hearing "s" "t" "r" individually, albeit VERY quickly.

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "V Cortina" <vcortina@hvc.rr.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Sent: Monday, March 18, 2002 10:40 AM
Subject: Re: Head Copy

> I agree with your statement, but why go through the effort to first
> translate "str" into "sss ttt rrr" first? Why not just hear the "str"
> as it is being sent? You are not listening to a spoken language, you
> are listening to a language sent a letter at a time. If you don't adapt
> to that you are only penalizing yourself in speed!

Date: Mon, 18 Mar 2002 11:10:28 EST
From: WE7X@aol.com
To: Schunn99@aol.com, qrp-1@lehigh.edu
Subject: [122420] Re: qrp antenna tuners
Message-ID: <a7.1d560691.29c76b74@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Scott,

Any tuner designed for amateur radio use should work, as long as it will hook up to your Tiny-Tornado. Some, you could put the little 'T-T' inside of, along with the key and battery pack.

Seriously, for a general use tuner, I would suggest the ZM-2, from Emtech. It is a very good tuner, small (but not tiny), inexpensive, and an easy to build kit. It seems to have a very wide matching range.

If you are looking for a very small tuner, I would go the New Jersey QRP web site, and look at some of the references (links) there.

There are a lot of very small tuners, designed for fairly specific uses such as end fed half waves and balanced line tuners in the various web site listings.

You might indicate just what you plan to use the tuner for. That would help with suggestions that are pertinent.

7 3,

WE7X

Rod Johnson

Date: Mon, 18 Mar 2002 11:20:10 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: V Cortina <vcortina@hvc.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122421] Re: Head Copy
Message-ID: <3C9613BA.914279AC@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The discussion is and was about copying CW in your head. You don't hear the "str" phonetically even when listening to the spoken word unless you have to translate the word into another language! It doesn't matter how fast they are spoken!

In CW you can only hear the words a character at a time. They are sent that way, nothing will change that. In spoken languages you hear phonetically, but you don't have to break down the words unless, again, you are translating into another language first!

73

Date: Mon, 18 Mar 2002 11:30:19 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: kb1ckk@yahoo.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122422] Re: Head Copy
Message-ID: <5.1.0.14.2.20020318112740.02cb2390@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 3/18/02 07:57 AM -0800, Shawn Upton wrote:
>I've been following this head copy thread, and I've
>got two questions:
>
>1) how does one send 30wpm and up? Keyboard?

Keyboard or keyer.

>2) how fast can one get, reasonably, with a single
>paddle? Or even a regular keyer (with a dit and a dah
>paddle)?

Depends on your "finger coordination".
Personally, I can't send much over 33 - 35 for any length

of time (except in a contest!), although I can copy faster.

73 Hank K8DD

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.qsl.net/k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

If God intended you to be on single sideband, he would have given you only one nostril.

- Steve, K2PTS

Date: Mon, 18 Mar 2002 11:37:32 -0500
From: David Beach <dbeach@blvl.igs.net>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [122423] Series/Parallel Crystals for Filter
Message-ID: <B8BB8076.242C%dbeach@blvl.igs.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I am assembling parts for a scratch-built SST Transceiver and was about to buy some 4 MHz crystals for the filter. The usual microprocessor crystals come in series or parallel resonant types and, if I had a bunch of either, I would use what I had!

BUT, since I am buying and have the choice, does it make ANY difference which I order for using in the crystal ladder filter? Does one have an advantage for this use? Has anyone compared these for the SST?

Choice is sometimes a terrible thing!

--
David Beach
VE3STI

Date: Mon, 18 Mar 2002 11:38:35 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>

To: w6toy@erols.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122424] Re: Head Copy
Message-ID: <5.1.0.14.2.20020318113045.02cb41c0@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I don't necessarily buy into the "hear the words a character at a time" when you are zipping down the interstate copying CW. If you are copying several letters behind, yes - you hear letters, but as several letters get buffered up in your head, they are not just letters, they turn into words, and that is what, in many cases, I hear. And it doesn't happen over night - took me a long time to be able to hold down a conversation without a pencil and paper!

Just like when you are reading a book - you don't exactly see letters (unless it is a word like proliferous - what ever that means!) you see words.

73 Hank K8DD

At 3/18/02 11:20 AM -0500, Bruce Muscolino wrote:

>The discussion is and was about copying CW in your head. You don't hear
>the "str" phonetically even when listening to the spoken word unless you
>have to translate the word into another language! It doesn't matter how
>fast they are spoken!

>

>In CW you can only hear the words a character at a time. They are sent
>that way, nothing will change that. In spoken languages you hear
>phonetically, but you don't have to break down the words unless, again,
>you are translating into another language first!

>

>73

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.qsl.net/k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

If God intended you to be on single sideband, he would have given you only one nostril.

- Steve, K2PTS

Date: Mon, 18 Mar 2002 09:44:11 -0700

From: "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
To: "'QRP-1 Messages'" <qrp-1@lehigh.EDU>
Subject: [122425] Cub Fox: CFNO will happen tomorrow.
Message-ID: <BF11C300DA60D5118A2900508BCF825B03416C4C@entcoexch05.tci.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset=iso-8859-1
Content-Transfer-Encoding: 7bit

One last Fox Hunt! Be ready!

Sorry, tried to post this from home over the weekend and could not.

Tuesday night (March 20, 02:00 - 04:00 UTC)
The Cub Fox from this past season will be calling CQ FOX at or near normal
40 meter QRP and/or Fox Hunting frequencies. They will run at 5 watts as a
Fox and can run lower power if calling a Fox. Code speed will be at 13 WPM
max.

The Fox will post their log and SER (Station Efficiency Rating) which is
simply the average power of all hounds worked. The hounds can play too,
how
many Fox can you work and what is your SER? (Average power per pelt).

Eligible Fox are:

NQ7T	Gary
KA8NAV	Brice
W0IS	Rick
N1TP	Tom
N0IT	Dave
K04WX	Mike
KB9YIG	Tony (Tony will be traveling and not able to be a FOX)
AG0T	Todd
KD5KXF	Mike
VE3FAL	Fred
KB7WW	Art

Join in the fun, this is the last chance to bag some prime Foxi pelt.

CU in the fray.

Ron ki0ii

Date: Mon, 18 Mar 2002 11:55:38 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>, "NJQRP" <njqrp@njqrp.org>,
". Eastern PA QRP Club" <EPA-QRP@yahoogroups.com>
Subject: [122426] Badger SmartBadge Operation Notes
Message-ID: <001e01c1ce9d\$be1be110\$d3ca9cce@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We had some great fun at this weekend's monthly meeting of the NJQRP Club with numerous "Badger" smartbadges being assembled, programmed and beeping all over the place.

But some questions have been coming in from others indicating a "problem" with their smartbadge kit whereby it sounds a constant tone when the battery is initially inserted, or that the piezo sound level is very low (or non-existent!).

Well, in most instances so far, these are not problems and the smartbadge is doing just what it should be doing, as described in the Manual under "Operation". (You did read the manual, right?! ;-)

When the smartbadge is first powered on it enters into "Calibrate mode" and sounds a constant tone and turns the LED on. Because these piezos have slightly different resonant frequencies, and they are usually quite selective, we provided this calibration mode to allow you to move the tone a bit upward or downward in order to enter into the "sweet spot" of the piezo. If you're outside that sweet spot, it may not reproduce tones at all.

Here's an excerpt from the Badger Manual that describes this "tuning" capability. Additionally, there are 8 "modes" of operation to your smartbadge ... lots of potential is described in the manual. By reading this information you'll soon have your smartbadge operating to its fullest potential!

73, George N2APB
n2apb@amsat.org
Badger SmartBadge info at <http://www.njqrp.org/badger/index.html>

=====
BADGER MANUAL (excerpt)

The Badger smartbadge has a number of modes to allow it to be calibrated and operated in the prescribed ways.

When the battery is initially installed, the smartbadge goes into "calibrate mode", sounding a constant tone to enable the user to adjust the piezo for the optimal/loudest pitch. See Mode C for further instructions for this once-only condition.

The Badger operates in one of several modes when triggered by the pushbutton. Normally the smartbadge is in Mode A whereby the owner's callsign is sounded once with each actuation of the pushbutton. At the end of the callsign annunciation, the Badger goes to sleep to conserve battery power.

The operating mode may be changed by pressing and holding the pushbutton at the end of the callsign annunciation sequence. It may take some practice to get this timing right for pressing of the pushbutton, but you'll get it every time when you press the button right at the end of the last callsign letter sounding. When this pushbutton press (and hold) is detected, a series of Morse letters is annunciated in sequence, sort of like an audible menu list, with each letter signifying a specific mode as indicated below. When the operator hears the desired mode letter, the pushbutton is released and that mode of operation is entered. The modes are described below according to their assigned letter.

Mode A -- Normal

The callsign is played once whenever the pushbutton is tapped and then the SX chip goes to sleep. Tapping the pushbutton at any time during callsign play will silence the Badger and put it to sleep.

Mode B -- Beacon

The callsign is played repeatedly, separated by a short pause in between iterations. Holding down the pushbutton for a second anytime during this mode will silence the Badger, return it to Normal mode (A), and put it to sleep.

Mode C -- Calibrate

A steady tone is played by the piezo device, enabling the user to peak the frequency for that specific device and battery voltage. A single quick tap on the pushbutton will raise the frequency of the steady tone. Two quick taps will lower the frequency. The operator should adjust the piezo tone for maximum output. Holding the pushbutton for one second stores the tone setting, returns the Badger to Normal mode and puts it to sleep.

Mode D -- Iambic Keyer

The paddle inputs to the SX chip are activated. Grounding the dit input sounds a short tone, and grounding the dah input sounds a longer tone. Iambic operation is achieved by dit/dah insertion, as appropriate. Actuating the pushbutton for one second returns the Badger to Normal mode and puts it to sleep.

Mode E -- Morse Speed Adjust

A constant series of Morse dits is played. Tapping the pushbutton once increases the Morse speed and tapping the pushbutton twice lowers the speed. Actuating the pushbutton for one second stores the speed setting, returns the Badger to Normal mode and puts it to sleep.

Mode F -- Straight Key

The piezo and LED are sounded whenever the dah input line is grounded. Connecting a straight key to the dah line will allow the Badger to perform as a classic code practice oscillator. Actuating the pushbutton for one second returns the Badger to Normal mode and puts it to sleep.

Mode G -- Piezo Only

Only the piezo will be sounded for callsign and keyer annunciation. The Badger is returned to Normal mode and put to sleep.

Mode H -- LED Only

Only the LED will be blinked (i.e., no piezo sounding) for callsign and keyer annunciation. The Badger is returned to Normal mode and put to sleep.

Mode I -- Both Piezo and LED

Both the LED and piezo will be used for callsign and keyer annunciation. The Badger is returned to Normal mode and put to sleep.

Date: Mon, 18 Mar 2002 09:03:05 -0800
From: "Dave Fifield" <dave@redhotradio.com>
To: <dbeach@blvl.igs.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122427] Re: Series/Parallel Crystals for Filter
Message-ID: <001f01c1ce9e\$c6457580\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

David,

The only difference between series and parallel resonant crystals is the frequency for which they are cut. A series resonant crystal is cut to the specified frequency such that it will oscillate at that frequency with no parallel loading in circuit. A parallel resonant

crystal is cut such that, when it is loaded with the specified parallel capacitance, it will work at the specified frequency. Thus, a parallel crystal can be used in a series resonant application just fine, but it will oscillate higher than the specified frequency since there will be no parallel loading.

How does this help you?

Well, for crystal filters, the only thing that you need to worry about is that the crystals you use are matched to each other very closely. Therefore, for your scratch built SST, you can order *any* crystal type you like (as long as it's somewhere near the intended IF frequency of course!). You will have to order more crystals than you need and then select the 4 or so (not sure how many are in the SST crystal filter, sorry) that are the closest matched. You measure them by making them oscillate in a simple circuit and measure the frequency of oscillation of each crystal, then you select the ones that are closest together.

A rough rule of thumb is that the crystals need to be within 1/10th of the width of the crystal filter of each other. So, for example, if you wanted a 500Hz CW filter, you would need to use crystals that match to within 50Hz of each other.

Let us know if you need more help on this.

Cheers es 72,
Dave F.
AD6A

----- Original Message -----

From: "David Beach" <dbeach@blvl.igs.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 18, 2002 8:37 AM
Subject: Series/Parallel Crystals for Filter

> I am assembling parts for a scratch-built SST Transceiver and was about to
> buy some 4 MHz crystals for the filter. The usual microprocessor crystals
> come in series or parallel resonant types and, if I had a bunch of either,
> I
> would use what I had!
>
> BUT, since I am buying and have the choice, does it make ANY difference
> which I order for using in the crystal ladder filter? Does one have an
> advantage for this use? Has anyone compared these for the SST?
>
> Choice is sometimes a terrible thing!

>
> --
> David Beach
> VE3STI
>

Date: Mon, 18 Mar 2002 17:06:16 +0000
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [122428] [OT] CW CDs --- We have a winner
Message-ID: <5.1.0.14.0.20020318170219.009e58d0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

If you took the human race and did a survey of expertise on topics
and then did QRP-L you'd probably have an almost perfect match.

Patrick, KD4LOX, gave me the solution that I needed to fix the CD
creation process for MP3 players. Just an added option, -J, to
cdrecord. Thanks a million Patrick.

So I now have no use for Win98 other than to read email and
practice for tournaments with a commercial program that I bought.
Ahhh. The joy of freedom.

: -)

Again, thanks gang.

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Mon, 18 Mar 2002 09:13:31 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [122429] Re: Head Copy
Message-ID: <MABBJ0EAB0ILMKCJCLFCCEEEEDDAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Shawn

Normal paddles and keyer will easily do up to 35 wpm. I can't go any faster myself, but I know it goes that far. I hear some high speed ops at the low end of 40m at times, and they are almost just a blur.
73, Bob N6WG

Date: Mon, 18 Mar 2002 09:13:15 -0800 (PST)
From: Alan <aadelma@yahoo.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [122430] Re: Head copy
Message-ID: <20020318171315.15297.qmail@web14005.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

After years of only being able to complete a cw qso by writing it down, I learned to copy in my head very quickly using the following method:

1. Go backpacking with a qrp rig.
2. Set up your station
3. After a hard day on the trail, cook a hearty dinner and crawl into your tent for a few qso's before falling asleep.
4. Discover that you forgot to bring a pen and pad.
5. Now you are forced to copy in your head or you can't qso!

I was well on my way within a weekend. We learn best when there is no other alternative.

-- Alan wb2erj

Do You Yahoo!?

Yahoo! Sports - live college hoops coverage
<http://sports.yahoo.com/>

Date: Mon, 18 Mar 2002 10:20:11 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [122431] FOX: Cub Fox Last Hunt
Message-ID: <Pine.LNX.4.33.0203180941490.12538-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello gang, well I got the last hunt in the web page so it's complete for the normal 20 Hunts. So go there (www.zianet.com/k5di/fox) and see how you did against the other Hounds, or Foxes.

Lest there be confusion, there will be a special Cub Fox hunt next Tuesday as explained in other messages. But to see how you did on the regular hunts check it out.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 18 Mar 2002 10:25:20 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chuck Adams <k7qo@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122432] Re: [OT] CW CDs --- We have a winner
Message-ID: <Pine.LNX.4.33.0203181023200.12991-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Chuck, I too use cdrecord on Linux and I get my mail with pine. I sort the mail with procmail and when I'm luck enough to get a virus, I store it in a directory /home/karl/virus/. Glad you like Linux too.

On Mon, 18 Mar 2002, Chuck Adams wrote:

>
>
> Gang,
>
> If you took the human race and did a survey of expertise on topics
> and then did QRP-L you'd probably have an almost perfect match.
>
> Patrick, KD4LOX, gave me the solution that I needed to fix the CD
> creation process for MP3 players. Just an added option, -J, to
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>
> So I now have no use for Win98 other than to read email and
> practice for tournaments with a commercial program that I bought.
> Ahhh. The joy of freedom.
>
> :-)
>
> Again, thanks gang.
>
> dit dit
>
>
>
>
> Chuck Adams, K7QO CP-60 k7qo@earthlink.net
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? --- Bring your own water, please.
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 18 Mar 2002 12:32:51 -0500
From: brickle <brickle@pobox.com>
To: qrp-l@lehigh.edu
Subject: [122433] Re: Head Copy (long)
Message-ID: <3C9624C3.19C06459@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

A little dose of information theory is provocative here.

The punchline is that English *itself* is always oscillating back-and-forth between a letter-at-a-time evolution and word-or-even-phrase-at-a-time grouping. And you could argue that CW head copy mirrors this oscillation pretty well.

One of the ways Claude Shannon illustrated the probabilistic features of English was with an exercise often called Shannon's Game. The idea was to show somebody a previously-prepared text, one letter at a time, and every time have them guess which letter will be coming next. This is one way of estimating the entropy of written English.

Of course you can write a program to do the guessing for you, based on a prior analysis of lots of existing text -- that is, build a probability model of English text. Often this will be an N-th order Markov model, and if you set N large enough, say around 5 or 6 (which means you keep track of the last 5 or 6 letters you've already seen in making your guess), you can do pretty much as well as a human at Shannon's Game on perfect text.

There are lots of interesting observations you can make about the head copy problem based on such a model, but my particular point at the moment is this. If you play Shannon's Game with such a model, and you plot of how succesful it is at each successive letter, you find that the success rate goes in *waves*, with a basic period of about 5 letters. In other words, the success rate tends to go up, up, up, up, up, then down, maybe down again, then up, up, up, up, up again, and so on. (This is true irrespective of the order of the Markov model -- a higher-order model makes the effect sharper, but it doesn't affect the basic period.)

What does this mean? It says that the entropy of English *varies* -- it's harder to guess what's coming next at certain critical points than others -- and those points tend to gather around word boundaries. To put it another way, once you're started on a word, you're going to have an easier time predicting what's coming next, until the end of the word, and then the beginning of the next.

One might conjecture that this is very similar -- in fact, could be partially responsible for -- what happens when you're head copying in CW. Part of the time it's pretty easy to guess or absorb what's coming next, and therefore you can guess the sound of what's coming next, too. But fairly often you're going to hit a rough spot, and that's when you have to fall back on letter-by-letter copy until you get back

on track again. And this certainly corresponds to my own experience of head copying. You sail through parts of words, then have to suspend judgement for a few letters, then sail smoothly again for awhile... And so a lot of that rhythm is a consequence, not of learning or experience, but of some fundamental properties of the language.

73
Frank
AB2KT

Date: Mon, 18 Mar 2002 12:52:20 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: kb1ckt@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122434] Re: Head Copy
Message-ID: <3C962954.6658B54@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I did a Google search on "world record code" and got the following hit: "On July 2, 1939, McElroy broke the world record code speed at 75.2 WPM, which remains unsurpassed today." This was a sending contest. As memory serves me, he did it with a bug. I have often wondered how they verified the correctness of his sending, because 75.2 wpm is a little fast for even head copy. Perhaps they recorded it on paper tape and manually checked it.

Jim
W4BQP

Shawn Upton wrote:

>
> I've been following this head copy thread, and I've
> got two questions:
>
> 1) how does one send 30wpm and up? Keyboard?
>
> 2) how fast can one get, reasonably, with a single
> paddle? Or even a regular keyer (with a dit and a dah
> paddle)?
>

Date: Mon, 18 Mar 2002 12:56:36 -0500

From: W2AGN <w2agn@pobox.com>
To: V Cortina <vcortina@hvc.rr.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122435] Re: Head Copy
Message-ID: <0203181256361M.08464@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Monday 18 March 2002 11:05, V Cortina wrote:

> I assume you mean when receiving morse code. I am saying that that IS
> exactly what I am doing sometimes. (I would do it all the time if I was
> better at it). I hear the "str" or "ing" ... etc as a whole sound. If you
> are referring to spoken "str", I do not, nor does anyone, of course, break
> it down to s-t-r in their minds, but you ARE hearing "s" "t" "r"
> individually, albeit VERY quickly.

--

You may as well give up. If Brucie can't do it, the NO ONE can!
Just go ahead and copy in your head, and remember about the bumblebee, who
can't possibly fly.

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Mon, 18 Mar 2002 13:24:32 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122436] Re: Head Copy
Message-ID: <3C9630E0.CCEC00A2@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Unfortunately, there is no definitive answer on "head copy is possible"
or "head copy is not possible". I may be able to do head copy, but I'm
not going to say that you can. We usually resort to anecdotes.
Following are a few of mine:

The first "token" that I learned to head copy was "CQ". I believe that
I could understand CQ at upwards of 50 wpm. (My top speed is about 20

wpm of well-sent code.) I recognized CQ when I couldn't recognize the letter "Q" by itself. The second token I learned was "DE".

My wife knows no morse code, yet knows the sound of CQ. She heard me sending it one day and asked me what the repetitive sound was and I told her. She now easily recognizes when I am sending CQ.

Many years ago I worked for the FCC. One day we examined an old-time telegrapher, who was used to copying news off the air at about 45 wpm to a mill. After 5 minutes of copy, his copy was graded and he had made one mistake. When told this, he asked what the mistake was. When shown, he was surprised; he thought that was the way that particular word was spelled. He had heard the word and spelled it the way he thought it was spelled. If he had heard individual letters he would have copied it correctly.

I wonder if this whole discussion revolves around the degree of head copy. I believe that almost everyone who has been communicating using cw for any amount of time recognizes a few "tokens". With experience and ability, the list of recognizable tokens may grow. Perhaps only a few with a lot of experience and ability can do total head copy.

Bottom line - head copy is possible for some people. Perhaps it is in part due to their personal ability, and almost certainly due in part to a lot of practice. Some people may never be able to do head copy. My humble opinion, your mileage may vary.

72/73,

Jim
W4BQP

Date: Mon, 18 Mar 2002 13:25:09 -0500
From: "V Cortina" <vcortina@hvc.rr.com>
To: "W2AGN" <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122437] Re: Head Copy
Message-ID: <000701c1ceaa\$3d0b56c0\$6401a8c0@hvc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Amen

----- Original Message -----

From: "W2AGN" <w2agn@pobox.com>
To: "V Cortina" <vcortina@hvc.rr.com>; "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Sent: Monday, March 18, 2002 12:56 PM
Subject: Re: Head Copy

> --

>

> You may as well give up. If Brucie can't do it, the NO ONE can!

> Just go ahead and copy in your head, and remember about the bumblebee,
who

> can't possibly fly.

>

>

> -----

> John L Sielke W2AGN

> w2agn@pobox.com

> <http://mywebpages.comcast.net/w2agn>

> Trustee: W3IYQ

>

>

Date: Mon, 18 Mar 2002 13:00:04 -0600

From: "Patrick Cummins" <pcummins@misnet.com>

To: <fpqrp-l@mpna.com>

Cc: <qrp-l@Lehigh.EDU>

Subject: [122438] Torroidal Cores, Need help identifying

Message-ID: <000001c1ceaf\$7d1659e0\$5bd194d0@pavilion>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi there all

I have me some torroidal cores and need some help identifying them. I figure I can get most of the information I need by winding about 10 turns on the core, placing a capacitor in series, put a sig gen on the input, my scope on the output and tuning the sig gen for a max indication on the scope. From that I can calculate what the core permeability is. This part is as far as I can see not a problem. The problem area is that I want also to determine whether the core is powdered iron or ferrite.

I figure that for this I can calculate the volume of the core, measure its weight, and then calculate its density. But does anyone know what the density of the different core materials are? Or are they a variable range that depends on the actual mix? (I do realize that I could get some of each type and measure them myself, but thought I would see first if anyone out

there knows.)

Anyway, please let me know if you have the values. Thanks ahead of time for the help.

72,73, 00's
Patrick S. Cummins, W5PSC
pcummins@misnet.com

Date: Mon, 18 Mar 2002 14:11:58 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: "qrpl" <qrpl@lehigh.edu>
Subject: [122439] Re: Torroidal Cores, Need help identifying
Message-ID: <006501c1ceb0\$c770a9e0\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is a good question given that this morning I dumped my Amidon sampler box on the floor. Aren't the colors significant also.
73 de Lee
km4yy

Never hold discussions with the monkey when the organ grinder is in the room.
--Winston Churchill

----- Original Message -----
From: "Patrick Cummins" <pcummins@misnet.com>
To: "Low Power Amateur Radio Discussion" <qrpl@Lehigh.EDU>
Sent: Monday, March 18, 2002 2:00 PM
Subject: Torroidal Cores, Need help identifying

> Hi there all
> I have me some torroidal cores and need some help identifying them. I
> figure I can get most of the information I need by winding about 10 turns
on
> the core, placing a capacitor in series, put a sig gen on the input, my
> scope on the output and tuning the sig gen for a max indication on the
> scope. From that I can calculate what the core permeability is. This part
is

> as far as I can see not a problem. The problem area is that I want also to
> determine whether the core is powdered iron or ferrite.
> I figure that for this I can calculate the volume of the core, measure
its
> weight, and then calculate its density. But does anyone know what the
> density of the different core materials are? Or are they a variable range
> that depends on the actual mix? (I do realize that I could get some of
each
> type and measure them myself, but thought I would see first if anyone out
> there knows.)
>
> Anyway, please let me know if you have the values. Thanks ahead of
time
> for the help.
>
> 72,73, 00's
> Patrick S. Cummins, W5PSC
> pcummins@misnet.com
>
>
>

Date: Mon, 18 Mar 2002 14:05:17 -0500
From: KKANALZ@prodigy.net
To: <dave@redhotradio.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122440] Dang! You are GOOD! (Xtals for filters)
Message-ID: <AA-F47E858599F4CBCD5A9AF1D16356E0B4-ZZ@maillink1.prodigy.net>

Dang, Dave!
You are truly excellent in answering David's questions
about home-made crystal filters! A truly *excellent*
explanation about how to use those little quartz
beasties!

Thanks for being here!

Karl K - W8TIF
McKinney, Texas
--- Original Message ---
From: "Dave Fifield" <dave@redhotradio.com>
To: <qrp-l@Lehigh.EDU>
Subject: Re: Series/Parallel Crystals for Filter

>David,

>

>The only difference between series and parallel
resonant crystals <snip>

Date: Mon, 18 Mar 2002 11:20:29 -0500
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <pcummins@misnet.com>
Subject: [122441] RE: Torroidal Cores, Need help identifying
Message-ID: <NFBKLDHALEHCJMAJPKFKEGBCNAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You're right on track with ID'ing your cores.

See if any of the info on my site will help - I have a lot of tech info on
the powdered iron and ferrite cores at
<http://www.bytemark.com/products/content0.htm>

Generally speaking, powdered iron cores have a colored coating, and ferrites
do not. Beware, tho, that all manufacturers do not have the same color
coding, and custom manufactured cores can be coated any color. Figuring out
your permeability or the cores μ can get you far as few of the cores
have the same μ .

Good luck, let me know if this helps.

Tracy Markham, N4LGH

CWS ByteMark

www.bytemark.com

www.coilws.com

tracy@coilws.com

tracy@bytemark.com

800 679-3184

I have me some torroidal cores and need some help identifying them. I
figure I can get most of the information I need by winding about 10 turns on
the core, placing a capacitor in series, put a sig gen on the input, my
scope on the output and tuning the sig gen for a max indication on the
scope. From that I can calculate what the core permeability is. This part is
as far as I can see not a problem. The problem area is that I want also to
determine whether the core is powdered iron or ferrite.

Date: Mon, 18 Mar 2002 14:15:19 -0500
From: KKANALZ@prodigy.net
To: <lmairs@cox.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122442] Dumping Toroids?
Message-ID: <AA-813B2C0B34B964F2E7BCF9C4AFAC6F0C-ZZ@homebase1.prodigy.net>

Hi, Lee -

For Heaven's sake, why did you dump your Amidon
sampler box on the floor? Were you frustrated, angry
or what?

Oh! I get it! I do foolish things like that myself
from time-to-time.... I would have labelled each
toroid with some kind of color-coding myself *before*
I risked getting them all together (as on the floor).

Perhaps Amidon can offer you some help....

Karl K. - W8TIF
McKinney, Texas
--- Original Message ---
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <qrp-l@Lehigh.EDU>
Subject: Re: Torroidal Cores, Need help identifying

>This is a good question given that this morning I
dumped my Amidon sampler box on the floor. <snip>

Date: Mon, 18 Mar 2002 14:16:38 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [122443] Re: Torroidal Cores, Need help identifying
Message-ID: <5.1.0.14.1.20020318141135.00a62410@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:00 PM 3/18/2002 -0600, you wrote:

>Hi there all

> I have me some torroidal cores and need some help identifying them. I
>figure I can get most of the information I need by winding about 10 turns on
>the core, placing a capacitor in series, put a sig gen on the input, my

>scope on the output and tuning the sig gen for a max indication on the
>scope. From that I can calculate what the core permeability is. This part is
>as far as I can see not a problem. The problem area is that I want also to
>determine whether the core is powdered iron or ferrite.
> I figure that for this I can calculate the volume of the core, measure its
>weight, and then calculate its density. But does anyone know what the
>density of the different core materials are? Or are they a variable range
>that depends on the actual mix? (I do realize that I could get some of each
>type and measure them myself, but thought I would see first if anyone out
>there knows.)

Patrick,

If I remember correctly, there is a substantial difference in permeability
between ferrite (higher) and powdered-iron (lower) cores of the same size.
As a rough guess, you could do your permeability measurements, then find a
part with similar size and permeability in a catalog.

Also, the Amidon powdered-iron cores tend to have color coding while the
ferrites are uncoated. Other manufacturers, I believe, use different colors
for different materials however.

Do you have any idea who the manufacturer or supplier was? Or are these the
"handful for a buck" parts found at flea markets and surplus stores?

Dave

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 18 Mar 2002 14:27:57 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-l@lehigh.edu, soc@mailman.qth.net
Subject: [122444] 2BDQ trap dipole
Message-ID: <02031814275700.11466@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Rotten cold, rainy day. Have the rig on 21.020 copying VP6DI pretty well (in

my head!). Pileup goes up at least 50 khz! Every now and then I throw in a call up about 30, but no go.

While listening, took my old Ranger apart, and cured the chirp on 40M. It was as simple as replacing the VFO 6AU6 with a 6AU6WC. Also found screws in the Multiplier 6CL6 loose, so it was cutting out. (ground return for filament through socket ring.) A couple tooth washers, and that was cured. The Ranger does QRP nicely, just turning down Drive control can go from about 45-50 watts out down to <1 watt. Now to clean up the RME6900 and I'll have another BA rig on.

While digging through some stuff, which came from my Dad's old house, I found a couple Hy-Gain 2BDQ traps, for a 80/40M dipole. I though just for the heck of it when I had a chance I might add them to my 40M dipole. There is room for another 25' or so on each end, and I understand the trap dipole is 101' long.

What I am not sure about is if they will load the 40M dipole so I will need to trim it down. Does anyone have the dimensions for the wire on the old Hy Gain trap dipole? These things were never used (still in wrapping), but they have to be at least 25 years old.

--

John L Sielke W2AGN

w2agn@pobox.com

<http://mywebpages.comcast.net/w2agn>

Trustee: W3IYQ

Date: Mon Mar 18 14:07:34 2002

From: kc0bom@arrl.net

To: qrp-l@lehigh.edu

Subject: [122445] One-Masted Sloop

Message-ID: <200203182008.g2IK8Lws014328@mail.iowasocan.com>

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

For those that have already got their April 2002 QST:

Any thoughts on that "One-Masted Sloop" for 40, 20, 15, and 10 Meters on page 44 of the April 02 QST? I'm currently using 3 inverted vees (40, 20, 15) about 30 feet up, and this looks like a neat thing to replace it.

72/73/oo

Rob, kc0bom

Date: Mon, 18 Mar 2002 15:11:11 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122446] Re: One-Masted Sloop
Message-ID: <000b01c1ceb9\$0d2e6320\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Why don't you build a couple and tell us how they work.

Did you get your new Extra Class vanity call yet?

73

----- Original Message -----

From: <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 18, 2002 2:07 PM
Subject: One-Masted Sloop

> For those that have already got their April 2002 QST:

>

> Any thoughts on that "One-Masted Sloop" for 40, 20, 15, and 10 Meters on
> page 44 of the April 02 QST? I'm currently using 3 inverted vees (40,
> 20, 15) about 30 feet up, and this looks like a neat thing to replace
> it.

Date: Mon, 18 Mar 2002 20:26:03 +0000
From: euramcom pages <mel@euramcom.freemove.co.uk>
To: <vcortina@hvc.rr.com>
Cc: <qrp-l@lehigh.edu>
Subject: [122447] Re: Head Copy
Message-ID: <T59b787c41fac1785ed1e6@pcow035o.blueyonder.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Mon, 18 Mar 2002 13:25:09 -0500, V Cortina wrote:

>Amen

>

>----- Original Message -----

>From: "W2AGN" <w2agn@pobox.com>

>To: "V Cortina" <vcortina@hvc.rr.com>; "Low Power Amateur Radio
>Discussion"

><qrp-1@Lehigh.EDU>

>Sent: Monday, March 18, 2002 12:56 PM

>Subject: Re: Head Copy

>> --

>>

>> You may as well give up. If Brucie can't do it, the NO ONE=
can!

>> Just go ahead and copy in your head, and remember about the
>>bumblebee,

>who

>> can't possibly fly.

>>

>>

>> -----

>> John L Sielke W2AGN

>> w2agn@pobox.com

>> <http://mywebpages.comcast.net/w2agn>

>> Trustee: W3IYQ

>>

>>

>

>

I've no doubt I'm on a few people's filter lists, but I've=
finally
succumbed and written my first ever filter that uses as the=
criteria,
a person's name.

I've gotten out of the kitchen here, I've watched bumblebees=
flying
no matter what the textbooks (and Brucie) says!

Regards

me1

Date: Mon, 18 Mar 2002 15:40:02 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Hank Kohl K8DD <k8dd@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122448] Re: Head Copy
Message-ID: <3C9650A2.E855D180@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You may be right when speaking of an experienced operator. An experienced operator, in my opinion, is one that has been doing CW for several years and has attained speeds of 20 to 30 wpm. I think it is a matter of mental concentration.

As far as reading goes, I don't think you ever see the letters, unless you are looking for a misspelling!

73

Date: Mon, 18 Mar 2002 16:02:40 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: mel@euramcom.freemove.co.uk, qrp-l@lehigh.edu
Subject: [122449] Re: Head Copy
Message-ID: <3C9655F0.49CB6D7@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brucie never said the bumblebee can't fly! In fact he spent a sizable part of his career working on the F-16; it can't fly either, but it sure does when forced into stability by its flight control system!

73

Date: Mon, 18 Mar 2002 17:07:14 -0500
From: hamjoel@juno.com
To: fpqrp-l@mpna.com, qrp-l@lehigh.edu
Subject: [122450] HEAD COPY and the 00 SHRINK
Message-ID: <20020318.171006.-381133.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Someone have mercy on us all,
is there no end to this?
as official OO shrink, I think I should comment on this a minute or so...

First off I don't see how one can read words without the reading
the letters... t d w h .

Now u kneaux that the above says... the dog went home.... oh u
didn't kneaux that? didn't u read the words? oh not any words thair and
tdwh don't spell anything u knoeaux right? hmmm

U gotta use letters to write words and u need words to understand
what has been wrote, right!

Seems to the shrink, iffin we can learn letters as a sound
consisting of so many dit and or dots then why can't we learn words as a
certain combination of dits and spaces and dots.... no reason...

course we could play on words and get to whare we is now.... or
we can just accept the FACT that some folk can just listen to cw being
sent and kneaux what was sent... some can even hold a conversation with u
while listening and one I've seen sending and chatting with me....at the
same time....

The above is factual, many of u done seed it and some of us done
done it...

now what u gonna call it? An't no writing material being used, a logical
and coherent conversation is taking place between two cw signals...

no matter how many times u split a hair is sure can be split
again and again...ask the math guys about removing only half at a time...
silly huh... well this thread is about at that point also...

Course u copy in ur head, that's whare ur ears, eyes, and brain
is... and ur eyes sees letters while u read them letters as words, les
'course u can't read then u just recite letters....

So what u say come first, the chicken or de egg? the oo shrink
says... who cares... as long as we got chicken and eggs to cook....!!!

let's let it be fellas, u done all showed great reasoning and use
of words and kept the topic circling the field.... time to land the
plane....and get on some other one.... what say?

kella joel
oo shrink
fyling pigs

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 18 Mar 2002 17:24:52 -0500

From: W2AGN <w2agn@pobox.com>
To: hamjoel@juno.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122451] Re: HEAD COPY and the OO SHRINK
Message-ID: <02031817245206.11466@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Monday 18 March 2002 17:07, hamjoel@juno.com wrote:
> Someone have mercy on us all,

> Course u copy in ur head, that's whare ur ears, eyes, and brain
> is... and ur eyes sees letters while u read them letters as words, les
> 'course u can't read then u just recite letters....

--

Leave it to Joel to come up with the answer. In SOME cases, maybe the brain
is located somewhere "south" of the head, thereby eliminating "head copy."

Certainly does explain it!

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Mon, 18 Mar 2002 16:12:54 -0600
From: Robert G Seymour <bobsey1@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [122452] Fw: Re: Head Copy
Message-ID: <20020318.161804.-153295.1.bobsey1@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

ENOUGH ALREADY!!!!!!!
Bob, W0LK

----- Forwarded message -----
From: Bruce Muscolino <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Mon, 18 Mar 2002 15:40:02 -0500
Subject: Re: Head Copy

Message-ID: <3C9650A2.E855D180@erols.com>
References: <001901c1ce28\$8e7795a0\$6401a8c0@hvc.rr.com>
<3C959527.38CB4615@erols.com>
Reply-To: w6toy@erols.com
Received: from mx10.boston.juno.com (mx10.boston.juno.com
[64.136.24.132])
by m11.jersey.juno.com with SMTP id AAA8KNWTRAMCW5C2
for <bobsey1@juno.com> (sender <owner-qrp-1@Lehigh.EDU>);
Mon, 18 Mar 2002 15:46:39 -0500 (EST)
Received: from astro.CC.Lehigh.EDU (astro.CC.Lehigh.EDU [128.180.39.2])
by mx10.boston.juno.com with SMTP id AAA8KNWTRAFW28FJ
(sender <owner-qrp-1@Lehigh.EDU>);
Mon, 18 Mar 2002 15:46:39 -0500 (EST)
Received: from localhost.localdomain ([127.0.0.1]:36114 "HELO
astro.CC.Lehigh.EDU") by astro.CC.Lehigh.EDU with SMTP
id <S378435AbSCRUp7>; Mon, 18 Mar 2002 15:45:59 -0500
Received: from rain.CC.Lehigh.EDU ([128.180.39.20]:4569 "EHLO
rain.CC.Lehigh.EDU") by astro.CC.Lehigh.EDU with ESMTP
id <S375667AbSCRUp3>; Mon, 18 Mar 2002 15:45:29 -0500
Received: from smtp01.mrf.mail.rcn.net (smtp01.mrf.mail.rcn.net
[207.172.4.60])
by rain.CC.Lehigh.EDU (8.12.2/8.12.2) with ESMTP id
g2IKjSEV000794
for <qrp-1@lehigh.edu>; Mon, 18 Mar 2002 15:45:29 -0500
Received: from 66-44-26-127.s1651.apx3.lnh.md.dialup.rcn.com
([66.44.26.127] helo=erols.com)
by smtp01.mrf.mail.rcn.net with esmtp (Exim 3.33 #10)
id 16n40W-0004Mq-00; Mon, 18 Mar 2002 15:45:28 -0500
X-Mailer: Mozilla 4.7 [en]C-CCK-MCD {RCN} (Win98; I)
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Precedence: bulk
X-To: Hank Kohl K8DD <k8dd@arrl.net>
Sender: owner-qrp-1@Lehigh.EDU
X-Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Return-Path: <owner-qrp-1@Lehigh.EDU>
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN
X-Accept-Language: en

You may be right when speaking of an experienced operator. An experienced operator, in my opinion, is one that has been doing CW for several years and has attained speeds of 20 to 30 wpm. I think it is a matter of mental concentration.

As far as reading goes, I don't think you ever see the letters, unless you are looking for a misspelling!

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Date: Mon, 18 Mar 2002 15:26:27 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: <qrp-1@lehigh.edu>

Subject: [122453] Signal Generator model 817

Message-ID: <Pine.LNX.4.33.0203181519150.13779-100000@Daisy.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I am trouble shooting my 2N2/40 receiver and needed a signal source to inject a calibrated signal on 7.035 MHz. I have an ajustable attenuator with 90 DB max attenuation and less than 1/2 watt input.

So I fired up my Yaesu FT-817 out of the front port after dropping the power to the lowest level, around 0.1 watts. With the attenuator attached to the 817 I could just detect the signal on my TS-50 radio. It was s nothing and down in the reciver noise.

Hooked it to the 2N2 and started testing. Found several errors and still testing. This is a signal source better than the best I ever used at work in my 35 years as an engineer.

Just another good use for the versital 817.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 18 Mar 2002 17:34:13 -0500

From: Paul Womble <pwomble1@tampabay.rr.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [122454] Re: One-Masted Sloop

Message-ID: <3C966B65.86516839@tampabay.rr.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Rob if you do build one of these antennas, can you take a couple of pics and put them on your website?

Might help others out there who, like you, are not sure about it's design.

73

Paul K4FB

kc0bom@arrl.net wrote:

> For those that have already got their April 2002 QST:

>

> Any thoughts on that "One-Masted Sloop" for 40, 20, 15, and 10 Meters on
> page 44 of the April 02 QST? I'm currently using 3 inverted vees (40,
> 20, 15) about 30 feet up, and this looks like a neat thing to replace
> it.

Date: Mon, 18 Mar 2002 12:44:15 -0500 (EST)

From: <n2go@arrl.net>

To: <qrp-l@Lehigh.EDU>

Subject: [122455] Ten Tec 515?

Message-ID: <Pine.LNX.4.33.0203181241360.6273-1000000@valhalla.v>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a Ten tec 515 transceiver that needs an accessory socket. Does anyone happen to know a source for the replacement plug and jack? Anyone have these guys? I could probably ask ten tec but they are closed now :) Somebody here must have traveled this path before....

73,

Jim n2go

Date: Mon, 18 Mar 2002 16:36:46 +0000

From: "Rob Matherly" <kc0bom@arrl.net>

To: qrp-1@Lehigh.EDU
Subject: [122456] Re: One-Masted Sloop
Message-ID: <200203182237.g2IMbZws020402@mail.iowasocan.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

On Mon, 18 Mar 2002 15:11:11 -0500, "Brian" <brian@iquest.net> wrote:

> Why don't you build a couple and tell us how they work.

> Did you get your new Extra Class vanity call yet?

> 73

No, probably won't either - made a goof in the paper work (long story, won't bother telling it :^))

And just for the record to everyone, YES, I know it's the April issue. I skimmed through the article, took a good look at pictures and captions, and this doesn't appear to be a gag article. Now when I read the mag in greater detail later tonight I might run across something, but for now it looks real :^)

72/73/oo

Rob, kc0bom

ARRL, fpqrp #330, IA Qrp #143, Live Wire #442, SOC #497, QRPp-I #19

Visit my websites!

<http://www.qsl.net/kc0bom> - personal page

<http://www.qsl.net/kc0bom/caarc> - local club's page

<http://www.qsl.net/kc0bom/mst3k> - my MST3K episodes list

<http://www.qsl.net/kc0bom/otr> - my old-time radio page

-- Arachne V1.70;rev.3, NON-COMMERCIAL copy, <http://arachne.cz/>

Date: Mon, 18 Mar 2002 15:06:29 -0800

From: "Frank King" <fking@wcn.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [122457] SMK-1 transmit problems

Message-ID: <000701c1ced1\$914528c0\$0e776bc6@RYANSELLERS>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Some time ago I assembled the SMK-1 kit. The receiver works fine, but the transmitter doesn't. Apparently, the t/r switch works o.k., but I am not gaetting any sidetone or out put.

I lost the C26 capacitor and substituted a 470 pf, non-NPO, ceramic cap. Would that have anything to do with the problem.

If anyone has any ideas, I would appreciate a note.

Tnx,

Frank King
AA7XA

Date: Mon, 18 Mar 2002 18:24:02 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122458] Re: HEAD COPY and the 00 SHRINK
Message-ID: <5.0.2.1.0.20020318175512.00af5ac0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:07 PM 3/18/2002 -0500, hamjoel@juno.com wrote:
>Someone have mercy on us all,
> is there no end to this?
>as official 00 shrink, I think I should comment on this a minute or so...

SNIP

Thanks Joel,
I could not resist adding that I kneaux an OP who sends with his right hand and logs with his left at the same time. No names but not hard to figger out from CW contest lists. I've been trying that....it's doable HI!
I realize this topic has been beaten severely so SRI.
Who said that a " brain was a dangerous thing"?
OK back to the RH-40 on the workbench, a really cool rig.Working my way through some of the mods. Ah sanity! :-)
73 to all
Pete NV4V Ky

Date: Mon, 18 Mar 2002 23:27:07
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [122459] A downsized April Fool
Message-ID: <F84XtDu14QZPDTN2Dh00001b90e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

The April issue of QST arrived. I looked for the traditional April Foolery article, and I looked, and I looked. Then I gave up looking. Then I found it. Where is it? What is it? I'll never tell That would spoil the fun. . . . and it IS fun!
72, Bruce Prior N7RR

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Mon, 18 Mar 2002 17:43:00 -0600
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>
To: qrp-l@lehigh.edu
Subject: [122460] Re: Head Copy
Message-ID: <5.1.0.14.2.20020318173534.0197ab48@mail.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:57 AM 3/18/2002 -0800, you wrote:
>I've been following this head copy thread, and I've
>got two questions:
>
>1) how does one send 30wpm and up? Keyboard?
>
>2) how fast can one get, reasonably, with a single
>paddle? Or even a regular keyer (with a dit and a dah
>paddle)?

It will depend on the individual, & how much time each is willing to devote to increasing sending speed.

I normally send 30/35 WPM with paddle or bug. 40WPM is usually comfortable with paddle, 45 WPM is getting into the realm of hard work, and is for short periods of time, for me. I know a few ops who send 50/55 with the paddle, & know there are many I do not know, who do so.

I do prefer the keyboard for anything above 40 WPM.

-

J. W. (Dub) Thornton WA5YFY
Minco, OK.

Date: Mon, 18 Mar 2002 16:44:49 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"Elecraft-list" <elecraft@mailman.qth.net>,
Subject: [122461] NJQRP Sprint
Message-ID: <004e01c1ced6\$e4eec120\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

This is one of my most favorite events, I can't wait for Sunday! Rules can be found at <http://www.njqrp.org/data/qrp-homebrewers-sprint.html>

Unless the sun "burps" I think solar conditions should be excellent. Even more interesting is the fact that we will be very near the Spring Equinox. During the contest hours the greyline will be almost exactly north and south, and sweeping across the continental US see <http://www.worldtimezone.com/datetime.htm>. Band conditions should be interesting.

I had hoped to operate /P from Wyoming during this contest. That is now looking a little "iffy". Today I checked long range weather forecasts and webcams up in WY--I think I'm rushing the TTF season! ;-). If I can get up there I will do 4 hours of CW with my K1 on 15/20/40 as conditions allow. Listen for my call, if I send N0RC/7, I'm in WY. My goal will be to hand out as many WY QSOs (and QSL cards) as possible.

If I don't get up to WY I'll likely work the first hour or so with PSK-31 on 20, (hopefully with a newly assembled psk-20). Then finish up with CW on whatever bands are active. My goal here will be to hand out as many 5 point QSOs as possible on PSK.

In either case I'll be running a full 5W so that I can be heard to overcome as best as possible my compromise antenna situation.

Hope to see you in my contest log!

73, Rod N0RC
Ft Collins, CO

Date: Mon, 18 Mar 2002 18:54:51 -0500
From: Paul Stroud <aa4xx@ipass.net>
To: "qrssknights@cnts.be" <qrssknights@cnts.be>
Cc: qrp-1@lehigh.edu, klqrp@knightlites.org
Subject: [122462] AA4XX/B QRSS beacon QRV on 10,140.130 khz
Message-ID: <3C967E4B.9F92B669@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

AA4XX/B is currently tx on 10,140.130 khz, and will be tx thru 0700 UTC Tuesday morning.

Several different power levels will be used throughout the next few hours. The initial power level is 10mW, and various codewords relating to Belgian towns and cities will be used at each different power level. Let's pull out our atlases and have some fun...

The beacon is running slow speed code with 10 sec dots and 30 sec dashes.

For more info on "Why QRSS?" take a look at: <http://www.qsl.net/w0ch>

All reception reports would be appreciated.

72, Paul AA4XX Raleigh, NC

Date: Mon, 18 Mar 2002 18:55:33 -0500
From: "Dave" <wr3i@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [122463] Fox Tonight?
Message-ID: <3C963825.2456.19EA23@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I have been so distracted by the "Main Thread" I have missed if there is a fox hunt tonight or not?

Dave

W1QB

Date: Mon, 18 Mar 2002 18:58:38 -0500
From: "Dave" <wr3i@earthlink.net>
To: wr3i@earthlink.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122464] Re: Fox Tonight?
Message-ID: <3C9638DE.1412.1CBF6E@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Its Monday sorry :-))

Dave

End of QRP-L Digest 2498
